On behalf of the Board of Trustees, administration, faculty and staff of Eastern Washington University, welcome to our new and continuing students!

EWU has established a tradition blending excellent academic programs with a sweeping array of student success initiatives that promote degree completion. Within the pages of this catalog you will find the best thoughts of our faculty reflected in rigorous programs of study that will prepare you well for the exciting opportunities awaiting you after graduation!

The achievements of EWU students in the classroom are often connected to their involvement in the community around them. We encourage all of our students to participate in service learning opportunities, clubs and student organizations and intramural sports. Remember that academic success requires studying too! Stop by the Learning Commons in the library and use the collaborative learning space to work on projects with your classmates or take advantage of the support services found there.

Our pledge is to promote a student experience that is rewarding and motivational. From learning labs to faculty mentors you will find everything you need to achieve your goals both academically and as a valued member of the university community.
EWU is dedicated to the following key values.

Access—we expand access to opportunity and success for students.

Inclusiveness—our diversity makes EWU a stronger community.

Integrity—we foster a culture of respect, commitment and honesty.

Quality—we strive for excellence in everything we do.

Student-Centered Learning Environment—students are the reason we exist.

EWU expands opportunities for personal transformation through excellence in learning.

**EWU achieves this mission by:**

• creating environments for personal transformation that enrich the lives of individuals, families, communities and society at large.

• developing faculty and staff by growing and strengthening an intellectual community and supporting professional development.

• expanding opportunity for all students by providing critical access to first generation students, underserved populations, place-bound students, and other students who may not have the opportunity for higher education.

• fostering excellence in learning through quality academic programs, undergraduate and graduate student research and individual student-faculty interaction. Students extend their learning beyond the classroom through co-curricular programs, life skills development, internship programs, volunteering and service learning.

EWU envisions a future of professionally, socially and culturally engaged leaders, citizens and communities.

EWU is a driving force for the culture, economy, workforce and vitality of Washington state. Our graduates think critically and make meaningful contributions to both their career fields and their communities.
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## ACCREDITATIONS

The university is accredited by the Northwest Commission on Colleges and Universities, the postsecondary institutional accrediting agency for a seven-state region of the country. Accreditation by the Northwest Commission qualifies Eastern Washington University for access to federal funding for teaching, research and student financial aid. Eastern is also approved by the U.S. Attorney General for non-quotas immigrant students and is on the approved list of the American Association of University Women. The academic excellence of Eastern’s programs is recognized by numerous accreditations.

<table>
<thead>
<tr>
<th>Athletic Training</th>
<th>The Bachelor of Science Degree in Athletic Training is accredited by the Commission on Accreditation of Athletic Training Education (CAATE). Graduates of the program are eligible to sit for the national certification examination administered by the Board of Certification (BOC).</th>
</tr>
</thead>
<tbody>
<tr>
<td>Business</td>
<td>AACSB International-The Association to Advance Collegiate Schools of Business has accredited the university’s undergraduate and graduate business programs.</td>
</tr>
<tr>
<td>Chemistry / Biochemistry</td>
<td>The department’s professional and environmental bachelor of science options are approved by the American Chemical Society (ACS), and the ACS certifies graduates in these options.</td>
</tr>
<tr>
<td>Communication Disorders</td>
<td>The Council on Academic Accreditation of the American Speech-Language-Hearing Association (ASHA) has accredited the university’s graduate programs in speech-language pathology.</td>
</tr>
<tr>
<td>Computer Science</td>
<td>The Bachelor of Science in Computer Science Degree is accredited by the Computing Accreditation Commission of ABET, <a href="http://www.abet.org">www.abet.org</a>.</td>
</tr>
<tr>
<td>Dental Hygiene</td>
<td>The Commission on Dental Accreditation of the American Dental Association has fully accredited Eastern's undergraduate program in Dental Hygiene.</td>
</tr>
<tr>
<td>Education</td>
<td>The State of Washington Professional Educator Standards Board has accredited the Bachelor of Arts in Education Degree programs and the Master of Education Degree programs.</td>
</tr>
<tr>
<td>Electrical Engineering and Mechanical Engineering</td>
<td>The Bachelor of Science in Electrical Engineering Degree and the Bachelor of Science in Mechanical Engineering Degree are accredited by the Engineering Accreditation Commission of ABET, <a href="http://www.abet.org">www.abet.org</a>.</td>
</tr>
<tr>
<td>Mechanical Engineering Technology</td>
<td>The Bachelor of Science in Mechanical Engineering Technology Degree is accredited by the Technology Accreditation Commission of ABET, <a href="http://www.abet.org">www.abet.org</a>.</td>
</tr>
<tr>
<td>Health Services Administration</td>
<td>The Bachelor of Arts in Health Services Administration Degree is accredited by the Association for University Programs in Health Administration (AUPHA).</td>
</tr>
<tr>
<td>Mental Health Counseling</td>
<td>The master's program in Applied Psychology: Mental Health Counseling is accredited by the Council for Accreditation of Counseling and Related Educational Programs (CACREP) and fulfills the state of Washington requirements for mental health counselor certification.</td>
</tr>
<tr>
<td>Music</td>
<td>The National Association of Schools of Music has fully accredited the undergraduate and graduate programs in music.</td>
</tr>
<tr>
<td>Nursing</td>
<td>The undergraduate nursing programs taught at the WSU College of Nursing in Spokane have been accredited by the Collegiate Commission on Nursing Education (CCNE) and approved by the Washington State Board of Nursing and the American Association of Colleges of Nursing.</td>
</tr>
<tr>
<td>Occupational Therapy</td>
<td>The Occupational Therapy Program at Eastern Washington University is accredited by the Accreditation Council for Occupational Therapy Education (ACOTE) of the American Occupational Therapy Association (AOTA). Graduates of the program will be able to sit for the national certification examination administered by the National Board for Certification in Occupational Therapy (NBCOT).</td>
</tr>
<tr>
<td>Physical Therapy</td>
<td>The Department of Physical Therapy is fully and unconditionally accredited by the Commission on Accreditation in Physical Therapy Education.</td>
</tr>
<tr>
<td>Recreation and Leisure Services</td>
<td>The Council on Accreditation of Parks, Recreation, Tourism, and Related Programs has accredited the university’s program in recreation and leisure services at the baccalaureate level.</td>
</tr>
<tr>
<td>School Counseling</td>
<td>The master's program in Applied Psychology: School Counseling is accredited by the Council for Accreditation of Counseling and Related Educational Programs (CACREP) and fulfills Washington state requirements for Educational Staff Associates (ESA) school counselor certification.</td>
</tr>
<tr>
<td>School Psychology</td>
<td>The School Psychology Program is accredited by the National Association of School Psychologists and is approved by the Washington State Board of Education as an Educational Staff Associates (ESA) Certification program.</td>
</tr>
<tr>
<td>Social Work</td>
<td>The Council on Social Work Education has accredited the School of Social Work undergraduate and graduate degree programs.</td>
</tr>
<tr>
<td>Urban and Regional Planning</td>
<td>Both the undergraduate and graduate Urban and Regional Planning programs are accredited by the Planning Accreditation Board.</td>
</tr>
</tbody>
</table>
More than 100 years ago, with a contribution of $10,000, the wealthy transportation industrialist Benjamin Cheney helped the citizens of the local community fulfill their dream of an institute of higher learning. The Benjamin P. Cheney Academy opened its doors to more than 200 students in 1882.

The academy became the State Normal School at Cheney in 1889, the same year that Washington gained statehood. The school was proudly designated as an institution “for the purpose of instruction of persons, both male and female, in the art of teaching the various branches that pertain to a good common school.”

The school was a fully accredited four-year degree-granting institution, offering majors in numerous subjects, when it became Eastern Washington College of Education in 1937.

The campus grew rapidly in size and program offerings in the decades following World War II and in 1961, reflecting these changes, was renamed Eastern Washington State College. As the regional needs for professionals in many fields grew, Eastern added a wide range of undergraduate and graduate degree programs. In 1977, the state legislature changed the school’s name to Eastern Washington University.

Since its inception as a teacher’s academy more than 120 years ago, Eastern has steadily responded to the higher education needs of the Inland Northwest. Today Eastern provides career preparation in diverse fields including business, technology and health care, education for civic and community leadership and engagement in the fine arts.

As a leader in the life and culture of the region, Eastern enrolls students from nearly every state in the union and more than 20 countries. The diversity and vitality of the university community has as its foundation a talented and dedicated faculty. Three-quarters of Eastern’s full-time faculty hold doctoral degrees. Maintaining a student-to-faculty ratio of approximately 21:1, Eastern continues to offer small classes, personalized instruction and individual attention.

As the higher education provider of choice for more than 12,791 students, Eastern Washington University is a major force in the civic, cultural, scientific and economic development of the state and region.

**LOCATIONS FOR EASTERN**

**CHENEY**

Eastern Washington University, 526 5th Street, Cheney, WA 99004: EWU is located in the inland northwest and known for its scenic beauty and impressive array of recreational and entertainment activities. The university is situated on a 300-acre residential campus in Cheney, in close proximity to Spokane, a metropolitan area of more than 417,000 people, located 275 miles east of Seattle. Spokane is the heart of a region that offers students extensive opportunities for internships, research and collaboration with industries, businesses, agencies and schools. EWU has facilities at the Riverpoint Higher Education campus, that is a 25-minute drive from Cheney. Maps are inside the back cover of this catalog.

**EWU SPOKANE, RIVERPOINT**

Eastern Washington University, Riverpoint campus is an integral part of Spokane’s University District. Located just east of the downtown business core, the campus includes the following facilities:

**Health Science Building**, 310 N. Riverpoint Blvd., Spokane, WA 99202: The Health Science Building houses five state-of-the-art Eastern programs in the College of Science, Health & Engineering: Occupational Therapy; Physical Therapy; Dental Hygiene; RIDE (Regional Initiatives in Dental Education); and Communication Disorders in cooperation with Washington State University, called the University Programs in Communication Disorders (UPCD).

**Nursing Building**, 412 E. Spokane Falls Blvd., Spokane, WA 99202-2118—PO Box 1495 Spokane, WA 99210-1495: houses the Intercollegiate College of Nursing. It was established in 1968 and remains the nation’s oldest nursing education consortium, serving as the school of nursing for Eastern Washington University, Washington State University and Whitworth College. It has five sites across the state with the main facility located in Spokane.

**Riverpoint Phase I**, 668 N. Riverpoint Blvd., Spokane WA, 99202: Phase I houses a graduate program through Eastern’s School of Social Work, graduate and undergraduate programs offered through Eastern’s College of Business and Public Administration and the Student Support Center, providing a wide range of services for students from all campuses.

**Riverpoint ONE**, 501 N. Riverpoint Blvd: houses faculty for the following programs: MFA in Creative Writing, MS in Communications, Addiction Studies minor and the BA in Interdisciplinary Studies.

**STATEWIDE LOCATIONS FOR EASTERN**

In addition to the programs located in Cheney and Spokane, Eastern provides several high-demand programs to other areas in Washington. These include:

**Bachelor of Arts in Business Management**
- Bellevue College

**Bachelor of Arts in Children’s Studies**
- Bellevue College

**Bachelor of Arts in Interdisciplinary Studies**
- Lower Columbia College

**Bachelor of Arts in Psychology**
- Bellevue College

**Bachelor of Arts in Social Work**
- Clark College

**Bachelor of Science in Dental Hygiene**
- Online

**Bachelor of Science in Electrical Engineering**
- North Seattle Community College

**Bachelor of Science in Technology: Applied Technology Option**
- Bellevue College
- Clark College
- Lower Columbia College
- South Seattle Community College

**Master of Social Work**
- Clark College
- Everett Community College
The catalog is organized into sections starting with general information about the university, an outline of academic programs and an outline of the organization of the university, academic policies and admission information for undergraduate and graduate study. The main body of the catalog lists in alphabetical order the programs of study offered by Eastern. The back section contains information on student services, faculty and administration, key state and federal policies and an index. A map of the campus, a general telephone listing and a two-year academic calendar are inside the back cover. The guide below explains what to look for in the central course and program listing section. We welcome any suggestions or comments on the content and usability of this catalog.

HOW TO READ THE COURSE DESCRIPTIONS

Subject/Course Prefix Code: these letters indicate the subject area of the course.

Cross-listed: some courses will be listed between disciplines.

Note: details special instructions such as grade mode or repeatability.

Prerequisites: the courses that must be completed and any conditions that must be met prior to enrollment are indicated as prerequisites preceding the course description.

General Education Core Requirements or University Graduation Requirements: some courses are designated to meet GECR or UGR for undergraduate programs.

Course Number:

Course Title: The official title of the course is listed beside the prefix and number. The course title may appear differently in other publications.

Credits: the numbers or words between parentheses indicate the credit awarded upon successful completion of the course.

When combinations of courses are listed in sequence, the first number in the parenthesis refers to the first course in the sequence. Example: BIOL 232, 233, 234 Human Anatomy and Physiology (5, 5, 5).

Course Description: a brief description of the course follows the prerequisite listing indicating the most significant topics to be covered in the course.

EWU courses are numbered according to the following guidelines.

<table>
<thead>
<tr>
<th>Lower Division</th>
<th>Upper Division</th>
<th>Graduate Level</th>
</tr>
</thead>
<tbody>
<tr>
<td>100–199 primarily for freshmen; may not be taken for graduate-level credit</td>
<td>300–399 primarily for juniors and seniors; may be used for graduate-level credit only with permission of the vice provost for Academic Planning, Graduate Programs, Grants and Institutional Research</td>
<td>500–599 graduate level; senior undergraduates may enroll only with permission of both the department chair and vice provost for Academic Planning, Graduate Programs, Grants and Institutional Research</td>
</tr>
<tr>
<td>200–299 primarily for sophomores; may not be taken for graduate-level credit</td>
<td>400–499 primarily for seniors; graduate students may count a limited number of credits from graded courses, only with program approval</td>
<td>600–699 graduate level only</td>
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<td>700–799 doctoral level only</td>
</tr>
</tbody>
</table>

All Levels

Course numbers ending in 95 through 99 indicate special courses, with the particular subject matter varying from quarter to quarter. All departments may offer these types of courses, but not all may be listed in this catalog. Check with the individual program for the availability of special courses.

95–internships

96–experimental courses

97–workshops, short courses, conferences, seminars (Only one workshop course of up to 3 credits may be used to fulfill graduate degree requirements.)

98–seminars

99–independent and directed study
### Arts, Letters & Education

Dean Roy Sonnema

| ART (Art) | ATTR (Athletic Training) | COIN (College Instruction) | CRWR (Creative Writing) | EDUC (Education) | ELIC (English Language Institute-Credit) | ELIN (English Language Institute-Noncredit) | ENGL (English) | ESLG (English as a Second Language) | EXSC (Exercise Science) | FILM (Film) | FREN (French) | GERM (German) | GNML (General Modern Languages) | HLED (Health Education) | HUMN (Humanities) | JAPN (Japanese) | JRNM (Journalism) | MUSC (Music) | PHED (Physical Education) | PHIL (Physical Philosophy) | RCLS (Recreation and Leisure Services) | SPAN (Spanish) | SPED (Special Education) | TCOM (Technical Communication) | THTR (Theatre) |
|-----------|-------------------------|---------------------------|-------------------------|------------------|-----------------------------------------|---------------------------------------------|--------------|------------------------------------|------------------------|--------------|----------------|----------------|--------------------------------|------------------------|----------------------|------------------|------------------------|---------------|-----------------------|-----------------------|------------------|-----------------------|-----------------------|------------------|-----------------------|-----------------------|

### Business and Public Administration

Dean Martine Duchatelet

<table>
<thead>
<tr>
<th>ACCT (Accounting)</th>
<th>BADM (Business Administration)</th>
<th>BUED (Business Education)</th>
<th>CTED (Career and Technical Education)</th>
<th>DSCI (Decision Science)</th>
<th>ECON (Economics)</th>
<th>FINC (Finance)</th>
<th>HSAD (Health Services Administration)</th>
<th>HUMR (Human Resource Management)</th>
<th>IBUS (International Business)</th>
<th>MGMT (Management)</th>
<th>MISC (Management Information Systems)</th>
<th>MKTG (Marketing)</th>
<th>OPTM (Operations Management)</th>
<th>PADM (Public Administration)</th>
<th>PLAN (Urban and Regional Planning)</th>
<th>PUBH (Public Health)</th>
</tr>
</thead>
</table>

### Science, Health & Engineering

Dean Judd A. Case

| ASL (American Sign Language) | BIOL (Biology) | CHEM (Chemistry) | COMD (Communication Disorders) | CPLA (Computer Literacy and Applications) | CSCD (Computer Science) | DESN (Design) | DNHY (Dental Hygiene) | EENG (Electrical Engineering) | ENVS (Environmental Science) | FNDT (Food and Nutrition/Dietetics) | GEOL (Geology) | MATH (Mathematics) | MENG (Mechanical Engineering) | METC (Mechanical Engineering Technology) | MTED (Mathematics Education) | MTHD (Mathematics, Development) | NTSC (Natural Science) | NURS (Nursing) | OCTH (Occupational Therapy) | PHTH (Physical Therapy) | PHYS (Physics) | PUBH (Public Health) | RIDE (Regional Initiative in Dental Education) | SCED (Science Education) | TECH (Technology) |
|-----------------------------|---------------|-----------------|----------------------------------|------------------------|-----------------|-----------------|---------------------|--------------------------|---------------------|------------------------|-----------------|-----------------|------------------------|----------------------|-----------------|------------------------|------------------------|-----------------|------------------------|------------------------|-------------------|------------------------|------------------------|

### Social & Behavioral Sciences and Social Work

Dean Vickie Shields

| AAST (Africana Studies) | ADST (Addiction Studies) | AGST (Aging Studies) | ANTH (Anthropology) | CDST (Children’s Studies) | CHST (Chicano Studies) | CMST (Communication Studies) | CRIM (Criminal Justice) | CSBS (Social and Behavioral Sciences) | DSST (Disability Studies) | GEOG (Geography) | GOVT (Government) | HIST (History) | IDST (Indian Studies) | INST (International Affairs) | ITDS (Interdisciplinary Studies) | MLSC (Military Science) | PSYC (Psychology) | RCST (Race and Cultural Studies) | SOCI (Sociology) | SOST (Social Studies) | SOWK (Social Work) | WMST (Women’s and Gender Studies) |
|------------------------|------------------------|-------------------|---------------------|------------------------|----------------------|--------------------------|---------------------|----------------------|------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|------------------------|------------------------|------------------------|------------------------|-----------------|------------------------|------------------------|-----------------|------------------------|------------------------|

### Colleges—Departments—Subject Codes
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<tbody>
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<td>Africana Education Program</td>
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<td>Mathematics</td>
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<td>Modern Languages and Literatures</td>
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<td>Physical Education, Health and Recreation</td>
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<tr>
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<td>Sociology</td>
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<td>Program</td>
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<tr>
<td><strong>Addiction Studies</strong></td>
<td>Addiction Counseling and Prevention</td>
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<tr>
<td><strong>African Studies</strong></td>
<td>Undergraduate Minor Africana Studies</td>
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<tr>
<td><strong>Aging Studies</strong></td>
<td>Undergraduate Minor Aging Studies</td>
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<td><strong>American Indian Studies</strong></td>
<td>Undergraduate Minor Indian Studies</td>
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<td><strong>Anthropology</strong></td>
<td>Undergraduate Major Anthropology</td>
</tr>
<tr>
<td><strong>Art</strong></td>
<td>Undergraduate Majors Art History; Studio Art; Visual Communication Design; Visual Arts/Elementary; Visual Arts/Secondary</td>
</tr>
<tr>
<td><strong>Biology</strong></td>
<td>Undergraduate Majors Biology; Biology with Biochemistry/Biotechnology Option; Biology with Pre-med/Pre-dent Option; Biology Secondary</td>
</tr>
<tr>
<td><strong>Business</strong></td>
<td>Undergraduate Majors Business Administration: Finance, Management; General Business Option; Human Resource Management Option; Operations Management Option; Management Information Systems; Marketing; Professional Accounting; Business and Marketing Education/Secondary</td>
</tr>
<tr>
<td><strong>Chemistry and Biochemistry</strong></td>
<td>Undergraduate Majors Chemistry/Biochemistry: Biochemistry Option; Forensic Science Option; General Option; Pre-med/Pre-dent/Pre-vet Option; Professional Option; Standard Option Chemistry/Biochemistry/Secondary</td>
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<td><strong>Chicano Education</strong></td>
<td>Undergraduate Minor Chicano-Latino Studies</td>
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<td>Urban and Regional Planning</td>
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<tr>
<td><strong>WOMEN’S AND GENDER STUDIES</strong></td>
<td>UNDERGRADUATE MAJORS Women's and Gender Studies; Women's and Gender Studies: Prior Learning Option</td>
</tr>
</tbody>
</table>
CERTIFICATES

UNDERGRADUATE OR POST-BACCALAUREATE CERTIFICATES

A certificate is a non-degree sequence, pattern or group of courses or a combination of instruction and independent study that focuses upon an area of specialized knowledge or information developed, administered and evaluated by the institution’s faculty members or by faculty-approved professionals. A certificate may include a capstone or practicum experience to facilitate the students’ ability to apply their knowledge in a variety of contexts.

A certificate can be matched with a major of less than 60 credits to fulfill the requirement for a minor. The purpose of a certificate is to complement a student’s degree program just as a minor does. The certificate generally focuses on an area of study that often has an applied or practical orientation and is usually interdisciplinary in nature, thereby distinguishing it from a minor.

GRADUATE OR POST-MASTER’S CERTIFICATES

A graduate certificate is not a degree; it is a focused collection of courses that, when completed, affords the student a record of coherent academic accomplishment in a given discipline or set of related disciplines. A graduate certificate is not a guaranteed means of entry into a graduate degree program. While the courses comprising a graduate certificate may be used as evidence in support of a student’s application for admission to a graduate degree program, the certificate itself is not considered to be a prerequisite.

The course content in a graduate certificate program may represent a practice-oriented segment of an existing graduate discipline. An earned baccalaureate degree or its equivalent from an accredited college or university is required for admission to a graduate certificate program.

A Graduate Programs admission application is required before completion of one-half of the credits in a graduate certificate program. No additional admission application fee is charged for current degree-seeking graduate students at EWU. A maximum of 40% of the credit hours toward any certificate program may be accepted as transfer credit. Students pursuing a graduate certificate will be required to meet the same academic requirements as those defined for degree-seeking students.

The Graduate Programs Office will note successful completion of a certificate program on the student’s transcript after receipt of a completed graduation application. Graduation applications are due following the deadlines for graduate degree graduation applications.

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<tr>
<th>Undergraduate Certificates</th>
<th>Graduate Certificates</th>
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</tr>
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<td>Applied Ethics and Practical Philosophy Certificate</td>
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</tr>
<tr>
<td>Challenge Course Management and Leadership</td>
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<tr>
<td>Disability Studies</td>
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<td>Leadership</td>
<td>See Communication Studies</td>
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<td>Public History Certificate</td>
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<tr>
<td>Public Policy and Administration</td>
<td>See Government</td>
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<tr>
<td>Suicide Risk Assessment Treatment and Prevention</td>
<td>See Addiction Studies</td>
</tr>
<tr>
<td>Wetlands Science and Management</td>
<td>See Geography</td>
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Addiction Studies Graduate Certificate | See Addiction Studies
Disability Studies | See Disability Studies
Executive Certificate in Tribal Planning | See Urban and Regional Planning
Graduate Certificate in GIS | See Geography
Health Services Administration | See Health Services Admin
Middle-Level Mathematics Endorsement | See Mathematics
Professional Certificate in Education | See Education
Public Management Development | See Public Administration
Teaching of Literature | See English
Teaching of Writing | See English
TUITION, FEES AND REFUNDS

At the time of publication the 2014–15 tuition and fee schedule had not yet been approved. Please visit www.ewu.edu/sfs for current information.

If you have questions or concerns, call Student Financial Services at 509.359.6372. Tuition and other registration fees are due on the sixth day of the quarter. Graduate tuition is assessed only to students who are formally admitted to a graduate program by the 10th class day of the quarter.

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2013—2014 QUARTER TUITION SCHEDULE

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TUITION PAY (PAYMENT PLAN OPTIONS)

Student Financial Services Office is pleased to offer 12, 11, 10 and 9 month annual payment plans as well as 4 and 3 month quarterly payment plans interest free! The plan is available through Tuition Pay. More information is available at www.ewu.edu/sfs and clicking the Tuition Payment Plan link. This pay-as-you-go alternative to lump-sum payments is popular among students and parents.

For questions, additional information or assistance in completing an enrollment form, call Tuition Pay at 1.888.664.6082 for help from a Tuition Pay specialist. Website: www.tuitionpay.com.

THIRD-PARTY BILLING

Students who are sponsored by a third party may request billing to the sponsor for tuition, fees and other related educational expenses. Sponsor invoicing occurs once per term. Sponsor payments must be received for the current term in order for students to be eligible to continue enrollment in subsequent terms.

In any sponsor billing arrangement, the student is ultimately responsible for payment of university charges. If a sponsor fails to pay any amounts invoiced, those original charges are returned to the student account with appropriate late payment penalties assessed.

Students or sponsors may request sponsor billing by mailing a signed billing authorization form to the following: Student Financial Services, ATTN: Third-party Billing, 202 Sutton Hall, Cheney, WA 99004.

Complete arrangements for sponsor billing must be made prior to the statement due dates to prevent late payment penalties. For assistance, call Student Financial Services, 509.359.6372.

OTHER REFUND INFORMATION

• All refunds resulting from enrollment changes will be subject to a clerical fee, if not signed up for direct deposit.
• Refunds below a minimum balance will remain as credit balances for future quarter charges.
• All debts owed to the university must be paid before any refund will be issued.
• Housing and Dining refunds are not part of this refund schedule. Consult the Housing and Dining Services contract for details or contact Residential Life at 509.359.2451.

REFUND POLICY

*See the following website for the most current information www.ewu.edu/sfs

In accordance with federal regulations, Eastern Washington University’s refund policy for the 2013–2014 academic year is as follows:

<table>
<thead>
<tr>
<th>for complete withdrawal from the university</th>
<th>withdrawal date</th>
<th>refund</th>
<th>withdrawal fee</th>
</tr>
</thead>
<tbody>
<tr>
<td>If you withdraw on or before</td>
<td>the 6th instructional day of the quarter</td>
<td>100%</td>
<td>$00</td>
</tr>
<tr>
<td>If you withdraw between</td>
<td>the 7th instructional day of the quarter and the 30th calendar day of the quarter</td>
<td>50%</td>
<td>$00</td>
</tr>
<tr>
<td>If you withdraw after</td>
<td>the 30th calendar day of the quarter</td>
<td>0%</td>
<td>$00</td>
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<tr>
<th>for dropped/ withdrawn courses</th>
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For questions regarding how a drop in credit hours or a complete withdrawal will affect your student account, please call 509.359.6372. Examples of Eastern Washington University refund policy can be obtained by contacting the Student Financial Services Office, 509.359.6372.

All Federal Title IV financial aid recipients will be refunded at the rates established by the federal government.
The Office of Admissions assists prospective undergraduate students and their families with the application process. Eastern’s outstanding academic programs, faculty and facilities are part of a diverse university community that attracts students from places near and far. To learn about the advantages of an Eastern education contact the Office of Admissions.

Application Information: Undergraduate applicants are reviewed individually. Each category of undergraduate applicant—freshmen, transfer, international, adult learners, post-baccalaureate and returning Eastern students has specific admission requirements. Review the information and definitions of each category carefully.

An undergraduate admissions application may be accessed at www.ewu.edu/apply both online and as a PDF. The online application is recommended for speed of processing and reply time.

Complete applications include official copies of all required transcripts, official SAT or ACT scores (if applicable), an insight résumé (if applicable), and a $50 non-refundable application fee must be submitted to the Office of Admissions, 304 Sutton Hall, Eastern Washington University, Cheney, WA 99004-2447. Eastern Washington University reserves the right to change admissions policies and deadlines without notice.

FRESHMAN ADMISSION

A freshman applicant for the purposes of admission is defined as a student who is:

- currently in high school
- a high school graduate or equivalent without post-high school transferable college credit or
- a current high school student with Running Start credits

All freshmen applicants must submit:

- a completed application for admission including the insight résumé (www.ewu.edu/insightresume);
- an official high school transcript or official GED test scores;
- a college transcript of any courses completed while in high school;
- official SAT or ACT scores submitted directly from the testing agency or recorded on an official high school transcript;
- a non-refundable $50 application fee.

Freshmen applicants are admissible if they have a cumulative high school grade point average ≥3.3 and have completed the following College Academic Distribution Requirements (CADR). The minimum CADR credits required for admission to Eastern are:

- English: 4
- Fine Arts: 1 (or additional year from above CADR areas)
- Mathematics: 3 (including Algebra I, II and Geometry or equivalents)
- Sciences: 2 (one laboratory science and one algebra based science)
- Social Science: 3
- World Languages: 2 (in a single language including ASL)

Students are encouraged to complete more than the minimum CADR requirements. The Washington Student Achievement Council provides guidelines of acceptable high school courses that meet these requirements as reported by each high school. Check with a high school counselor or an admissions representative if there are additional questions.

TRANSFER ADMISSION

A transfer student for the purposes of admission is defined as a student who has:

- graduated from high school and is currently enrolled in a two-year or four-year institution with course work transferable to Eastern; or
- transferable college-level credit earned after high school graduation.

All transfer applicants are required to submit:

- a completed application for admission including the insight résumé (www.ewu.edu/insightresume);
- official high school transcripts or official GED test scores (if transferring with less than 40 quarter credits);
- official transcripts from every two-year or four-year institution attended;
- official SAT or ACT scores (if transferring with less than 40 quarter credits);
- a non-refundable $50 application fee.

At the time of application to Eastern, transfer applicants are evaluated for admission in one of two ways:

1. transfer applicants with less than 40 quarter hours of transferable college credit at the time of entry must:
   - satisfy the aforementioned freshmen admission criteria and have a cumulative GPA ≥2.0 in all transferable college-level courses.
2. transfer applicants with 40 or more quarter hours of transferable college credit at the time of entry must:
   - show a minimum cumulative GPA ≥2.5 in all transferable college-level course work; or
   - show a minimum cumulative GPA ≥2.0 in all transferable college-level course work and completion of college-level English and intermediate algebra.

Note: Acceptance into many majors requires a GPA ≥2.0, prerequisite courses, service experiences and/or a separate application. Contact the appropriate department for details.

POST-BACCALAUREATE ADMISSION

A post-baccalaureate student is defined for purposes of admission as any applicant with an undergraduate degree from a regionally accredited institution who is seeking course work toward a second bachelor’s degree, teacher certification or other course work that is not part of any Eastern graduate program. All post-baccalaureate applicants must submit official university or college transcripts documenting their undergraduate degrees.

Note: Acceptance into many majors requires a GPA ≥2.0, prerequisite courses, service experiences and/or a separate application. Contact the appropriate department for details.

FORMER STUDENT ADMISSION

A former student is defined for purposes of admission as any applicant who was previously admitted and enrolled at Eastern and has been absent from the university for more than four quarters.

Former students are required to submit:

- a returning student application available at www.ewu.edu/apply;
- official transcripts from any two-year or four-year institutions attended since the last enrollment at Eastern;
- a non-refundable $50 application fee.

ADULT STUDENT ADMISSION

An adult student for purposes of admission is defined as an applicant 25 years of age or older who meets neither the high school admission criteria nor the transfer admission criteria for students with fewer than 40 credits. Adult applicants may be offered regular admission if they meet at least two of the following requirements:

- submit satisfactory scores on the SAT, ACT or other university-administered tests;
- submit a transcript showing the achievement of a high school GPA ≥2.5 or a passing score on the General Educational Diploma (GED);
- submit an essay demonstrating entry-level critical thinking and communication skills;
- present evidence of success outside the classroom and strong motivation to succeed at the university.
ADMISSION DEADLINES

Priority application dates are:
- May 15 for summer and fall quarters;
- October 15 for winter quarter;
- February 15 for spring quarter.

Decisions on fall admission are made beginning November 1, so early application is encouraged. Completed applications received after the priority dates are reviewed on a space available basis. Applications received after August 15 for fall term or within two weeks of the start of all other terms will be deferred for consideration until the next quarter.

Note: Students who were academically dismissed from Eastern must apply for reinstatement to good academic standing. Petitions for Academic Reinstatement are available from the General Undergraduate Academic Advising website: access.ewu.edu/academic-advising

EXCEPTIONS TO ADMISSION CRITERIA

Eastern can admit up to 15 percent of all incoming freshmen who have not met CADRs or fall below a GPA <3.3. Students who are admitted without completing the high school core courses may be required to complete specific courses for college preparation or to satisfy Eastern graduation requirements. For example, a student deficient in high school foreign language may be required to complete foreign language at the 103 level at Eastern. Some students may be admitted with the condition that they complete a core course during the quarter prior to entering EWU. Students without SAT or ACT test scores may, at the discretion of the director of admissions, have the requirement waived.

GENERAL EDUCATION DIPLOMA

Eastern will accept the General Education Diploma (GED) in lieu of high school graduation. Applicants who have completed the General Education Diploma must have achieved a minimum score of 50 with no score lower than 45 in any subject area.

HOME SCHOOL STUDENTS

Home school applicants must present evidence of the completion of the CADRs or their equivalents or a GED as proof of high school completion.

STUDENT ATHLETES

Student athletes must meet the NCAA Clearinghouse requirements to be athletically eligible. For additional information, see www.ncaa.org or call 877.262.1492.

APPLICANTS TO EASTERN WITH RUNNING START CREDITS

Applicants with Running Start credits who are still in high school must meet all freshmen admission criteria as defined above and have a cumulative college GPA of ≥2.0.

Applicants to Eastern who have enrolled in another college or university after high school graduation must meet all transfer admission criteria. In general, college credits earned by students through Running Start in the state of Washington are treated as transfer credits, as they are recorded on the official transcript of the college where the work was completed.

INTERNATIONAL STUDENT ADMISSION

An international student is defined as a student who is in the U.S. or planning to enter the U.S. for academic purposes and holds F-1 or J-1 immigration status.

International applicants will find helpful information about admissions and other student support services at www.ewu.edu/international. The International Education Team will assist prospective students in determining the appropriate academic entry level based on their application materials and educational goals.

International students are required to submit official transcripts from all colleges and universities (both foreign and within the U.S.). Applicants whose foreign transcripts cannot be verified must submit documents to World Education Services or another evaluation service for evaluation and verification. Evidence of financial support or scholarship prior to receiving a visa eligibility document (Form I-20) from Eastern Washington University.

INTERNATIONAL ADMISSIONS REQUIREMENTS

- International Student Application: paper-based or apply online
- $50 application fee
- original financial statement (less than 6 months old)
- photocopy of valid passport
- photocopy of visa, if applicable
- official evidence of English proficiency: TOEFL, IELTS, U.S. College Composition course or EWU ELI application
- original, official transcripts for all high school and college/university course work from both inside and outside of the U.S. Evaluated transcript is required for any transfer credits from a non-U.S. university or college.
- international students interested in transferring credits from a foreign country are required to submit an evaluated transcript from an accredited evaluation agency and provide individual course descriptions in English of all courses requested for transfer to EWU. For a list of accredited agencies go to www.naces.org.

APPLICATION DEADLINES FOR INTERNATIONAL APPLICANTS

July 15 for fall quarter
October 15 for winter quarter
January 15 for spring quarter
April 15 for summer quarter

An application for admission will be considered complete only when all of the required documents are received. Due to the time required to secure a student visa, students applying from outside the U.S. are encouraged to apply as early as possible. Submitting fraudulent documents will result in automatic denial of application and/or dismissal from Eastern Washington University.

ENGLISH LANGUAGE REQUIREMENTS FOR ADMISSION

International students who have English as their second language and who have not completed a transferable English composition course (with a grade minimum ≥2.0) must submit one of the following official test scores:
- Test of English as a Foreign Language (TOEFL) score of at least 525 paper based, or 71 iBT;
- International English Language Testing System (IELTS) score of at least 6.0.

Applicants who do not meet these English language admissions requirements may be admitted to the university with the condition that they successfully complete a program of study with Eastern's English Language Institute (ELI). Students who wish to apply for conditional admission should submit an ELI application found at www.eli.ewu.edu in addition to the admission requirements stated above.

GRADUATE ADMISSION

For information about graduate programs and admission requirements, please see the information in this catalog under Graduate Programs Admission, visit www.ewu.edu/grad or call the Graduate Programs office in 206 Showalter Hall, 509.359.6297.
RUNNING START ADMISSION

Admission to Running Start: Eastern is recognized as a Running Start institution by the Washington Department of Education. Eligible high school students may enroll in courses at EWU on a full- or part-time basis to meet high school requirements and earn college credit. Students must meet the minimum admission criteria, which may include SAT or ACT scores. Students interested in enrolling in Running Start through Eastern should contact their high school guidance officer or the Running Start Coordinator at Eastern Washington University at 509.359.6155.

TRANSFER AGREEMENTS

Eastern participates in direct transfer agreements with community colleges in the state of Washington, Oregon, and select colleges in other states. Graduates of these colleges who complete a direct-transfer associate degree are admitted to Eastern with junior standing and have satisfied the lower division general education core requirements.

INTERCOLLEGIATE (ICAO POLICY)

Students transferring to Eastern Washington University from a Washington public baccalaureate institution who have official documentation certifying completion of all the lower division general education requirements from the sending institution have satisfied Eastern’s general education core requirements and university competencies and proficiencies. These are described in the sections titled, Core Requirements and University Competencies and Proficiencies and are shown in the shaded portion of the diagram The Undergraduate Degree.

TRANSFER CREDIT AND EVALUATION OF OTHER FORMS OF COLLEGE CREDIT

Transfer credit is generally awarded for courses completed at regionally accredited two-year or four-year institutions. When determining transferable credit, Eastern adheres to the standards and practices of the American Association of Collegiate Registrars and Admissions Officers. Questions about the transferability of credits completed at institutions that are not regionally accredited should be directed to the Office of Admissions.

Eastern Washington University will accept transfer toward a bachelor’s degree no more than 90 lower-division credits. After a student has been admitted to a university major, additional lower-division credit may be awarded when:

1. The additional credit will advance the student toward degree completion.
2. The student is responsible for the student’s degree and approves a petition filed by the student to allow more than 90 lower-division credits.

No more than 135 credits (lower- or upper-division) may be accepted in transfer for a bachelor’s degree. Transfer credit shall be accepted for upper-division credit only when earned at an accredited four-year, degree-granting institution as upper-division credit.

Advanced Placement: Credit for minimum scores on Advanced Placement examinations given by the College Board is awarded upon receipt of official score reports. Official scores should be submitted to the Office of Admissions. See the Sources of Credit list immediately following this section of the catalog for current score requirements and corresponding credits awarded.

College in the High School Credits: Applicants with credits earned through College in the High School programs must meet freshmen admission criteria. College in the High School courses will be accepted as transferable college credit if they are from a regionally accredited college or university and are consistent with Eastern’s general transfer credit policy.

College-Level Examination Program (CLEP): Eastern Washington University will award credit for CLEP tests. Acceptability of credits toward major requirements or general education core requirements is determined by the appropriate department. See the Sources of Credit list that immediately follows this section of the catalog for current score requirements and corresponding credits awarded.

Experiential Credit: For information on evaluation of experience for credit, see the information under Interdisciplinary Studies in the alphabetical program listings in the center of the catalog or contact Interdisciplinary Studies, 361 Senior Hall, EWU, Cheney, WA 99004-2442; phone 509.359.2402.

Foreign Educational Credentials: Students interested in information about credit awarded for selected foreign educational credentials should contact the Office of Admissions.

International Transfer Students: International students interested in transferring credits from a foreign country should submit an evaluated transcript from an evaluation agency and provide individual course descriptions in English of all courses student plans to transfer to EWU. For a list of accredited agencies go to www.naces.org.

International Baccalaureate: Eastern Washington University will award credit for Higher Level International Baccalaureate exam results of 5 or better. Acceptability of credits toward major requirements or General Education Core Requirements (GECRs) is determined by the appropriate department. See the Sources of Credit list that immediately follows this section of the catalog for current score requirements and corresponding credits awarded.

Military Credits: Students may earn up to 45 quarter hours of credit for military educational experiences. This includes credits awarded for CLEP/DANTES tests. Note: Any student pursuing a bachelor of arts in Interdisciplinary Studies (Prior Learning Option) will not be awarded more than 90 quarter hours in credit from a combination of military experience and prior learning block credit. See the information on Interdisciplinary Studies in the alphabetical listing of programs in the center of the catalog.

Veterans: College credit may be awarded for military service time. Veterans are encouraged to submit a photocopy or true copy of military separation, DD-214, or an equivalent document for credit evaluation.

INSTITUTIONS AND DEGREES THAT FULFILL THE DIRECT TRANSFER AGREEMENT GUIDELINES

INSTITUTION | DIRECT-TRANSFER DEGREE TITLE
--- | ---
Bellevue College | Associate in Arts and Sciences
Big Bend Community College | Associate in Arts and Sciences
Cascadia Community College | Associate of Integrated Studies
Centralia Community College | Associate in Arts, Associate in Liberal Arts
Clark College | Associate in Arts
Columbia Basin College | Associate in Arts and Sciences
Edmonds Community College | Associate of Arts
Everett Community College | Associate in Arts and Sciences
Flathead Valley Community College | Associate of Arts, Associate of Science
Grays Harbor College | Associate in Arts
Green River Community College | Associate in Arts
Highline Community College | Associate of Arts/Option A
Lower Columbia College | Associate in Arts
North Idaho College | Associate of Arts, Associate of Science
North Seattle Community College | Associate of Arts, Associate of Science
Northwest Indian College | Associate of Arts and Sciences/Option I
Olympic College | Associate in Arts, Associate of Science
Oregon Community Colleges | Associate in Arts Oregon Transfer or AAOT
Peninsula College | Associate of Arts, Associate of Arts--Honors
Pierce Community College | Associate in Arts and Sciences
Seattle Central Community College | Associate of Arts, Associate of Science
Shoreline Community College | Associate in Arts
Skagit Valley Community College | Associate in Arts/University and College Transfer
South Puget Sound Community College | Associate of Arts
South Seattle Community College | Associate of Arts, Associate of Science
Spokane Community College | Associate in Arts
Spokane Falls Community College | Associate of Arts
Tacoma Community College | Associate in Arts and Sciences/Option A
Walla Walla Community College | Associate in Arts
Whatcom Community College | Associate in Arts and Sciences
Wenatchee Valley College | Associate in Arts and Sciences
Yakima Valley Community College | Associate in Arts and Sciences
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<tr>
<th>Advanced Placement Exam</th>
<th>AP Score</th>
<th>Credit Awarded</th>
<th>EWU Equivalent/Elective Credit Granted</th>
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<td>Art</td>
<td>3</td>
<td>5</td>
<td>Elective Credit</td>
</tr>
<tr>
<td>History of Art</td>
<td>4, 5</td>
<td>5</td>
<td>ART 213</td>
</tr>
<tr>
<td>Studio Art: 2D Portfolio</td>
<td>4, 5</td>
<td>5</td>
<td>ART 107</td>
</tr>
<tr>
<td>Biology</td>
<td>3, 4, 5</td>
<td>5</td>
<td>BIOL 100, BIOL 171, BIOL 172 and BIOL 173</td>
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<tr>
<td>Chemistry</td>
<td>3, 4, 5</td>
<td>5</td>
<td>CHEM 151, CHEM 151, CHEM 152 and CHEM 153</td>
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<tr>
<td>Computer Science A</td>
<td>3, 4, 5</td>
<td>5</td>
<td>CSCD 210</td>
</tr>
<tr>
<td>Economics-Microeconomics</td>
<td>3</td>
<td>5</td>
<td>ECON 200</td>
</tr>
<tr>
<td>Economics-Macroeconomics</td>
<td>3</td>
<td>5</td>
<td>ECON 201</td>
</tr>
<tr>
<td>English Language Comp</td>
<td>3, 4, 5</td>
<td>5</td>
<td>ENGL 101</td>
</tr>
<tr>
<td>English Literature and Comp</td>
<td>3, 4, 5</td>
<td>5</td>
<td>ENGL 170</td>
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<tr>
<td>Environmental Science</td>
<td>3, 4, 5</td>
<td>5</td>
<td>ENVS 100</td>
</tr>
<tr>
<td>Government and Polices</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Comparative</td>
<td>3, 4, 5</td>
<td>5</td>
<td>GOVT 203</td>
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<tr>
<td>U.S.</td>
<td>3, 4, 5</td>
<td>5</td>
<td>GOVT 100</td>
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<tr>
<td>History</td>
<td></td>
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<tr>
<td>European</td>
<td>3, 4, 5</td>
<td>5</td>
<td>HIST 106</td>
</tr>
<tr>
<td>United States</td>
<td>3, 4, 5</td>
<td>5</td>
<td>HIST 110</td>
</tr>
<tr>
<td>World History</td>
<td>3, 4, 5</td>
<td>5</td>
<td>HIST 102 or HIST 103</td>
</tr>
<tr>
<td>Human Geography</td>
<td>3, 4, 5</td>
<td>5</td>
<td>GEOG 101</td>
</tr>
<tr>
<td>Mathematics</td>
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</tr>
<tr>
<td>Calculus AB</td>
<td>3, 4, 5</td>
<td>5</td>
<td>MATH 142, satisfies mathematical reasoning requirement.</td>
</tr>
<tr>
<td>Calculus BC</td>
<td>3, 4, 5</td>
<td>5</td>
<td>MATH 142, satisfies mathematical reasoning requirement.</td>
</tr>
<tr>
<td>Statistics</td>
<td>3, 4, 5</td>
<td>5</td>
<td>Elective credit, satisfies mathematical reasoning requirement.</td>
</tr>
<tr>
<td>Modern Languages and Literatures</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Chinese Language</td>
<td>3, 4, 5</td>
<td>5</td>
<td>CHIN 101, CHIN 102 and CHIN 103</td>
</tr>
<tr>
<td>Chinese Literature</td>
<td>3, 4, 5</td>
<td>5</td>
<td>GNML 299</td>
</tr>
<tr>
<td>Music</td>
<td>3</td>
<td>5</td>
<td>Elective Credit</td>
</tr>
<tr>
<td>Music Theory</td>
<td>4</td>
<td>4</td>
<td>MUSC 101, MUSC 104</td>
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<tr>
<td>Physics</td>
<td>3</td>
<td>5</td>
<td>Elective Credit</td>
</tr>
<tr>
<td>Physics B</td>
<td>4, 5</td>
<td>15</td>
<td>PHYS 131, PHYS 132, PHYS 153, PHYS 161, PHYS 162 and PHYS 163</td>
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<tr>
<td>Physics C (Mechanics)</td>
<td>4, 5</td>
<td>5</td>
<td>PHYS 151, PHYS 161</td>
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<tr>
<td>Physics C (Electricity and Magnetism)</td>
<td>4, 5</td>
<td>5</td>
<td>PHYS 153, PHYS 163</td>
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</table>

**Sources of Credit — AP**

Unless otherwise noted, a score of 3 on any exam will receive 5 elective credits.
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<tr>
<th>International Baccalaureate IB Course Higher Level Exam</th>
<th>EWU Equivalent/Elective Credit</th>
<th>Number of Credits</th>
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<tr>
<td>Art: Art/Design</td>
<td>ART 107</td>
<td>5</td>
</tr>
<tr>
<td>Biology</td>
<td>BIOL 171, BIOL 172 and BIOL 173</td>
<td>12</td>
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<tr>
<td>Economics</td>
<td>ECON 200 and ECON 201</td>
<td>10</td>
</tr>
<tr>
<td>History</td>
<td>HIST 106</td>
<td>5</td>
</tr>
<tr>
<td>History of Africa</td>
<td>HIST 315</td>
<td>5</td>
</tr>
<tr>
<td>History of the Americas</td>
<td>HIST 110</td>
<td>5</td>
</tr>
<tr>
<td>History of Europe</td>
<td>HIST 106</td>
<td>5</td>
</tr>
<tr>
<td>Music</td>
<td>MUSC 250, MUSC 251 and MUSC 252</td>
<td>9</td>
</tr>
<tr>
<td>Physics: Higher Level</td>
<td>PHYS 131, PHYS 132, PHYS 133, PHYS 161, PHYS 162 and PHYS 163</td>
<td>15</td>
</tr>
<tr>
<td>Psychology</td>
<td>PSYC 100</td>
<td>5</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>CLEP Course</th>
<th>Minimum Score</th>
<th>Number of Credits</th>
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</thead>
<tbody>
<tr>
<td>Biology: General Biology</td>
<td>49</td>
<td>12</td>
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<tr>
<td>College Composition</td>
<td>50</td>
<td>5</td>
</tr>
<tr>
<td>Principles of Marketing</td>
<td>50</td>
<td>4</td>
</tr>
<tr>
<td>History</td>
<td>47</td>
<td>5</td>
</tr>
<tr>
<td>History of the U.S. I: Early Colonization to 1877</td>
<td>45</td>
<td>5</td>
</tr>
<tr>
<td>History of the U.S. II: 1865 to Present</td>
<td>45</td>
<td>5</td>
</tr>
<tr>
<td>Western Civilization I: Ancient Near East to 1648</td>
<td>46</td>
<td>5</td>
</tr>
<tr>
<td>Western Civilization II: 1648 to Present</td>
<td>47</td>
<td>5</td>
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<tr>
<td>Humanities (General Exam)</td>
<td>50</td>
<td>5</td>
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<tr>
<td>Mathematics</td>
<td></td>
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<tr>
<td>Calculus with Elementary Functions</td>
<td>45</td>
<td>10</td>
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<tr>
<td>College Algebra</td>
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<td>5</td>
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<tr>
<td>College Algebra/Trigonometry</td>
<td>54</td>
<td>10</td>
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<tr>
<td>College Mathematics</td>
<td>50</td>
<td>5</td>
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<tr>
<td>Trigonometry</td>
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<td>5</td>
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<tr>
<td>Psychology: Intro to Psychology</td>
<td>47</td>
<td>5</td>
</tr>
<tr>
<td>Sociology: Intro to Sociology</td>
<td>47</td>
<td>5</td>
</tr>
<tr>
<td>Biology: General Biology</td>
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<td></td>
</tr>
<tr>
<td>College Composition</td>
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<td>Mathematics</td>
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<td>Calculus with Elementary Functions</td>
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<tr>
<td>College Algebra</td>
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<td>College Algebra/Trigonometry</td>
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<tr>
<td>College Mathematics</td>
<td></td>
<td></td>
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<tr>
<td>Trigonometry</td>
<td></td>
<td></td>
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<tr>
<td>Psychology: Intro to Psychology</td>
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<tr>
<td>Sociology: Intro to Sociology</td>
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</tr>
</tbody>
</table>

| EWU Equivalent/Elective Credit                        |               |                   |

| Biology: General Biology                               | BIOL 171, BIOL 172 and BIOL 173 |                   |
| College Composition                                    | ENGL 101       |                   |
| Principles of Marketing                                | MKTG 310       |                   |
| History                                                | GOVT 100       |                   |
| History of the U.S. I: Early Colonization to 1877       | HIST 110       |                   |
| History of the U.S. II: 1865 to Present                | HIST 110       |                   |
| Western Civilization I: Ancient Near East to 1648       | HIST 105       |                   |
| Western Civilization II: 1648 to Present               | HIST 106       |                   |
| Humanities (General Exam)                              | HUMN 211       |                   |
| Mathematics                                            |               |                   |
| Calculus with Elementary Functions                     | MATH 161 and MATH 162 |               |
| College Algebra                                        | MATH 141       |                   |
| College Algebra/Trigonometry                           | MATH 141 and MATH 142 |               |
| College Mathematics                                    | MATH proficiency|                   |
| Trigonometry                                           | MATH 142       |                   |
| Psychology: Intro to Psychology                        | PSYC 100       |                   |
| Sociology: Intro to Sociology                          | SOCI 101       |                   |

<table>
<thead>
<tr>
<th>CLEP Course</th>
<th>Minimum Score</th>
<th>Number of Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biology: General Biology</td>
<td>49</td>
<td>12</td>
</tr>
<tr>
<td>College Composition</td>
<td>50</td>
<td>5</td>
</tr>
<tr>
<td>Principles of Marketing</td>
<td>50</td>
<td>4</td>
</tr>
<tr>
<td>History</td>
<td>47</td>
<td>5</td>
</tr>
<tr>
<td>History of the U.S. I: Early Colonization to 1877</td>
<td>45</td>
<td>5</td>
</tr>
<tr>
<td>History of the U.S. II: 1865 to Present</td>
<td>45</td>
<td>5</td>
</tr>
<tr>
<td>Western Civilization I: Ancient Near East to 1648</td>
<td>46</td>
<td>5</td>
</tr>
<tr>
<td>Western Civilization II: 1648 to Present</td>
<td>47</td>
<td>5</td>
</tr>
<tr>
<td>Humanities (General Exam)</td>
<td>50</td>
<td>5</td>
</tr>
<tr>
<td>Mathematics</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Calculus with Elementary Functions</td>
<td>45</td>
<td>10</td>
</tr>
<tr>
<td>College Algebra</td>
<td>50</td>
<td>5</td>
</tr>
<tr>
<td>College Algebra/Trigonometry</td>
<td>54</td>
<td>10</td>
</tr>
<tr>
<td>College Mathematics</td>
<td>50</td>
<td>5</td>
</tr>
<tr>
<td>Trigonometry</td>
<td>57</td>
<td>5</td>
</tr>
<tr>
<td>Psychology: Intro to Psychology</td>
<td>47</td>
<td>5</td>
</tr>
<tr>
<td>Sociology: Intro to Sociology</td>
<td>47</td>
<td>5</td>
</tr>
</tbody>
</table>

| EWU Equivalent/Elective Credit                        |               |                   |

| Biology: General Biology                               | BIOL 171, BIOL 172 and BIOL 173 |                   |
| College Composition                                    | ENGL 101       |                   |
| Principles of Marketing                                | MKTG 310       |                   |
| History                                                | GOVT 100       |                   |
| History of the U.S. I: Early Colonization to 1877       | HIST 110       |                   |
| History of the U.S. II: 1865 to Present                | HIST 110       |                   |
| Western Civilization I: Ancient Near East to 1648       | HIST 105       |                   |
| Western Civilization II: 1648 to Present               | HIST 106       |                   |
| Humanities (General Exam)                              | HUMN 211       |                   |
| Mathematics                                            | MATH 161 and MATH 162 |               |
| Calculus with Elementary Functions                     | MATH 141       |                   |
| College Algebra                                        | MATH 141 and MATH 142 |               |
| College Mathematics                                    | MATH proficiency|                   |
| Trigonometry                                           | MATH 142       |                   |
| Psychology: Intro to Psychology                        | PSYC 100       |                   |
| Sociology: Intro to Sociology                          | SOCI 101       |                   |
Admitted freshman and transfer students may be required to complete placement tests in English composition and mathematics.

EXAMINATION REQUIREMENTS
Students must complete a mathematics placement exam if they have not completed the equivalent of MTHD 104 with a grade ≥ 2.0. Transfer students who do not have an approved direct-transfer associate degree or an intermediate college algebra course with a grade ≥ 2.0 must take the mathematics placement test. English composition placement is based on a student’s SAT or ACT test scores if the student has not completed at least one composition course at a college or university. Note: the mathematics placement test may be taken twice in a calendar year with at least two weeks between test times.

COMPUTER LITERACY CLEARANCE
must be achieved by all students to earn a baccalaureate degree.
Specific information on what is covered in the challenge exams as well as exam procedures and dates are posted at: complit@ewu.edu

COMPETENCY is demonstrated by successful completion of the clearance examination or completion of CPLA 100 Computer Literacy I (1) with a P grade and CPLA 101 Computer Literacy II (1) with a grade ≥ 2.0 or completion of CPLA 120 (5) with a grade ≥ 2.0.
• CPLA 100 does not count for college credit.

The following students must complete the computer literacy requirements:
• all incoming students without a direct transfer associate degree or a previous bachelor’s degree.
• all students in programs requiring CPLA 100, CPLA 101 or CPLA 120, including students with direct transfer associate degrees.
• all students with course requirements having CPLA 100, CPLA 101 or CPLA 120, including students with direct transfer associate degrees.

ENGLISH COMPOSITION COMPETENCY AND PROFICIENCY
must be demonstrated by all students to earn a baccalaureate degree.
For more information, contact the English Composition Program, 509.359.7064.

COMPETENCY is demonstrated by placement into ENGL 201 College Composition: Analysis, Research and Documentation based on the placement test score or by submission of an official transcript showing completion of ENGL 101 College Composition: Exposition and Argumentation or its equivalent, at a post-secondary institution with a grade ≥ 2.0.

• ENGL 100 does not count for college credit.

COMPETENCY is demonstrated by placement into ENGL 201 College Composition: Analysis, Research and Documentation based on the placement test score or by submission of an official transcript showing completion of ENGL 100 Fundamentals of English Composition, or ENGL 101 English Composition or College Composition, must complete ENGL 100 with a grade of P and ENGL 101 with a grade ≥ 2.0 before proceeding to the next level of English.
• ENGL 100 does not count for college credit.

PROFICIENCY is demonstrated by completion of ENGL 201 College Composition: Analysis, Research, and Documentation or by submission of an official transcript showing completion of ENGL 201 or its equivalent, at a postsecondary institution with a grade ≥ 2.0.
• English composition proficiency should be completed as soon as possible because some courses require ENGL 201 as a prerequisite.

POLICY ON ENROLLMENT IN PRE-UNIVERSITY SKILLS COURSES
Students whose placement testing places them in pre-university skills courses must enroll in at least one such course (5 credits) per quarter until these course requirements are satisfied. Furthermore, all students so placed must complete all pre-university mathematics, English and computer literacy courses before the completion of 45 university course credits. Failure to do so will result in a hold on subsequent registration until a plan to satisfy the pre-university requirements is accepted and has been signed off by their advisor. Students who have declared their majors will work with their advisor in their academic departments. Students who are undeclared will work with advisors in General Undergraduate Academic Advising. Students will need adequate advising to remain in compliance with this policy. Unavailability of these courses, as certified by your academic advisor in a given quarter, suspends this requirement for that quarter.

Pre-University Basic Skills include: CPLA 100, ENGL 100, MTHD 103, MTHD 104.

Please consult an advisor when deciding which math courses to complete.
• Mathematics proficiency must be completed before 90 credits are earned.
• Additional course work beyond mathematics proficiency may be required to complete the major program requirements.
• Transfer students with an approved direct-transfer associate degree who have met the mathematics competency and proficiency requirement but may need to complete additional math requirements for their major.
• Transfer students who enter the university with 40 quarter credits or more must complete both mathematics competency and mathematics proficiency within three quarters of admission.

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Minimum Credits—180 cumulative credit hours

- 60 upper-division credits (300 level or above)
- 45 credits in residence (attendance) at Eastern, with at least 15 upper-division credits in major in residence at Eastern

Note: credits earned in MTHD 103, MTHD 104, MATH 199, CPLA 100 and ENGL 100 do not count toward the 180 cumulative credits.

Minimum Cumulative GPA ≥2.0

- for Eastern Washington University course work
- for all General Education Core Requirements and University Graduation Requirements
- in major program, subject to departmental requirements
- in minor program, subject to departmental requirements

Note: general education and graduation requirements are waived for a student possessing a baccalaureate degree from an accredited institution who wishes to obtain an additional undergraduate degree from Eastern.

All Eastern Washington University students are expected to acquire a liberal education. Eastern defines liberal education to include:

- intellectual skills and habits of mind necessary to the pursuit and transmission of knowledge;
- a broad understanding of the history, institutions and traditions that most profoundly influence our social, political, economic, aesthetic and scientific lives;
- specialized knowledge in a discipline (major).

EWU has designed the General Education Curriculum for the purpose of preparing students with the skills, habits of mind and breadth of subject matter that characterize an educated person. Through this curriculum, Eastern ensures that all students encounter the core academic disciplines, especially as they apply to major questions of our times.

Computer Literacy

The computer literacy competency requirement may be satisfied by successful completion of a computer literacy examination or completion of the course (or courses) required as a result of the computer literacy examination with a grade ≥2.0. These courses may be CPLA 100 Computer Literacy I (1) (graded pass/no credit only) and CPLA 101 Computer Literacy II (1) or CPLA 120 Computer Applications Literacy (5). Credit for CPLA 100 does not count toward total graduation credits.

English Composition

All students must complete ENGL 201 College Composition: Analysis, Research and Documentation (5) or its transferable equivalent with a minimum grade ≥2.0.

Students may be placed into English Composition courses by several means. All Running Start students must take the English Composition Program’s Writing Placement Test to determine their placement. Students may be placed using their SAT critical reading (formerly verbal) scores, their ACT English scores, or their TOEFL scores, if available. Students who do not have an SAT critical reading score, an English ACT score, or a toefl score and who did not complete the English Language Institute (ELI) program must take the Writing Placement test to determine placement. Transfer students may be placed into a course if they have transferred equivalent composition courses to Eastern. Finally, they may take the Writing Placement test if they do not have test scores and have not transferred any composition credits. (For A.P. credit see page 21 of the catalog.)

SAT critical reading scores

- 440 or below must meet with a general academic advisor to determine placement
- between 450 and 590 will be placed in ENGL 101
- 600 and above will be placed in ENGL 201

ACT English scores

- 17 or below must meet with a general academic advisor to determine placement
- 18–27 placed in ENGL 101
- 28 or above placed in ENGL 201

TOEFL—All students must have a 525 or above on the TOEFL exam.

- below 67 on the paper based test, or below 29 on the internet-based test, placed in ENGL 112
- at or above 67 on paper based test, or 29 and above on the internet based test, the student will be placed in ENGL 101.

Mathematics

The general education mathematics proficiency requirement may be satisfied by any one of the following: placement into MATH 161 Calculus I, as a result of the math placement test and successful completion of the Mathematical Reasoning Exam or completion of any of the following courses or its transferable equivalents with ≥2.0 minimum grades:

- MATH 107 Mathematical Reasoning (5)
- MATH 142 Pre-Calculus II (5)
- MATH 161 Calculus I (5)
- MATH 200 Finite Mathematics (5)
- MATH 211 Structure of Elementary Mathematics I (5) and MATH 212 Structure of Elementary Mathematics II (5)
- MATH 301 Discrete Mathematics (5)
- MATH 380 Elementary Probability and Statistics (5)

Students who need additional math development may be required, on the basis of the math placement test results, to complete MTHD 103 Basic Algebra for College Students (5) and/or MTHD 104 Intermediate Algebra for College Students (5).

Note: credits for MTHD 103, MTHD 104 and MATH 199 do not count toward total graduation credits.
**Humanities and Fine Arts (2 or 3 courses)**

Students must choose one course per list from each of two or three lists below.

*Note: HUMN 290 Arts and Ideas, may be used to satisfy List 1, 2 or 3 and typically is only offered summer term.*

<table>
<thead>
<tr>
<th>List 1</th>
<th>Literature</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 213 Art in the Humanities (5)</td>
<td>HUMN 211 Masterpieces of the Western World (5)</td>
</tr>
<tr>
<td>HUMN 210 Classics in Literature (5)</td>
<td>HUMN 290 Arts and Ideas (5)</td>
</tr>
<tr>
<td>HUMN 211 Masterpieces of the Western World (5)</td>
<td>HUMN 211 Masterpieces of the Western World (5)</td>
</tr>
<tr>
<td>SPAN 170 Introduction to Literature (5)</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>List 2</th>
<th>Fine Arts</th>
</tr>
</thead>
<tbody>
<tr>
<td>FILM 214 Film Arts and the Human . . . (5)</td>
<td>MUSC 212 Music in the Hum . . . (5)</td>
</tr>
<tr>
<td>PHIL 200 Personal Finance: Philosophy and Practice (4)</td>
<td>PHIL 202 Theatre in the Hum . . . (5)</td>
</tr>
<tr>
<td>HUMN 290 Arts and Ideas (5)</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>List 3</th>
<th>Philosophy and Reasoning</th>
</tr>
</thead>
<tbody>
<tr>
<td>FINS 200 Personal Finance: Philosophy and Practice (4)</td>
<td>PHIL 202 Theatre in the Hum . . . (5)</td>
</tr>
<tr>
<td>HUMN 210 Introduction to Religious Tradition (5)</td>
<td></td>
</tr>
<tr>
<td>HUMN 290 Arts and Ideas (5)</td>
<td></td>
</tr>
<tr>
<td>PHIL 201 Critical Thinking (5)</td>
<td></td>
</tr>
<tr>
<td>PHIL 211 Introductory Philosophy (5)</td>
<td></td>
</tr>
<tr>
<td>PHIL 212 Introductory Ethics (5)</td>
<td></td>
</tr>
<tr>
<td>PHIL 213 Moral Issues in America (5)</td>
<td></td>
</tr>
</tbody>
</table>

**Social Sciences (2 or 3 COURSES)**

Students must choose one course per list from each of two or three lists below.

<table>
<thead>
<tr>
<th>List 1</th>
<th>Economics and Government</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECON 100 General Education Economics (5)</td>
<td>GOVT 100 Modern Government in an . . . (5)</td>
</tr>
<tr>
<td>ECON 200 Introduction to Microeconomics (5)*</td>
<td></td>
</tr>
<tr>
<td>ECON 201 Introduction to Macroeconomics (5)*</td>
<td></td>
</tr>
</tbody>
</table>

*This economics sequence is designed for majors in economics, business or science.*

<table>
<thead>
<tr>
<th>List 2</th>
<th>Anthropology, Geography, Psychology, and Sociology</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANTH 101 Cultural Anthropology (5)</td>
<td></td>
</tr>
<tr>
<td>CMST 208 Mass Media and the Information Society (5)</td>
<td></td>
</tr>
<tr>
<td>GEOG 100 Fundamentals of Human Geography (5)*</td>
<td></td>
</tr>
<tr>
<td>PSYC 100 General Psychology (5)</td>
<td></td>
</tr>
<tr>
<td>PSYC 201 Life Span Development (4)</td>
<td></td>
</tr>
<tr>
<td>SOCI 101 Introduction to Sociology (5)</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>List 3</th>
<th>History</th>
</tr>
</thead>
<tbody>
<tr>
<td>AAST 220 African American . . . (5)</td>
<td>HIST, HONS</td>
</tr>
<tr>
<td>HIST 105 Western History: Origins to the 18th . . . (5)</td>
<td>HIST 106 Western History: 18th Century to . . . (5)*</td>
</tr>
<tr>
<td>HIST 110 The American Experience: A Survey (5)*</td>
<td>MGMT 200 Business History in the U.S. (5)</td>
</tr>
</tbody>
</table>

**Natural Sciences (2 or 3 courses)**

Students must complete courses from at least two of the lists below.

**Biology**

| BIOL 100 Introduction to Biology (5) | BIOL 115 Investigating Biology (5)* |

**Chemistry**

| CHEM 121 Chemistry and its Role in Society (5) |

**Environmental Science**

| ENVS 100 Introduction to Environmental Science (5) |

**Geography**

| GEOG 100 Fundamentals of the Physical Environment (5) | GEOL 115 Investigating Earth Science (5)* |
| GEOG 204 Atmospheric Environment (5) |

**Geology**

| GEOL 100 Discovering Geology (5) | GEOL 115 Investigating Earth Science (5)* |
| GEOL 121 Descriptive Geology (5) |

**Physics**

| PHYS 100 Physical Science (5) | PHYS 115 Investigating Physical Science (5)* |
| PHYS 121 Descriptive Astronomy (5) |

**Open only to admitted Honors Program students.**

| HONS 101 The Intellectual Tradition: . . . (8) | |
| (counts as one Social Science GECR; one Humanities GECR) |
| HONS 102 The Intellectual Tradition: . . . (8) | |
| (counts as one Social Science GECR; one Humanities GECR) |

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**Open only to admitted Honors Program students.**

| HONS 101 The Intellectual Tradition: . . . (8) | |
| (counts as one Social Science GECR; one Humanities GECR) |
| HONS 102 The Intellectual Tradition: . . . (8) | |
| (counts as one Social Science GECR; one Humanities GECR) |

Science courses that are offered as part of sequences designed for students majoring in science and related areas will apply to the GECR requirements. The first course and lab completed will fulfill one GECR requirement and the second course in the sequence will fulfill a second GECR requirement in the same subject area. If a student chooses to take two courses from the same subject area, a third course from a different subject area must be chosen for a total of three science courses.

**NOTE:**

- Biologu candidates are strongly recommended to select from these courses as the content is directly related to Washington State Elementary Education endorsement and exit exam requirements.
- Progression through this series requires a grade of 2.0 in BIOL 171, BIOL 172, and BIOL 270.
These requirements apply to all undergraduate students who do not have baccalaureate degrees. While general education, in the form of competencies, proficiencies and content-rich survey courses, typically occupies the student’s first two years, liberal education continues to color and challenge every student’s intellectual journey toward graduation. The following requirements may be satisfied through the courses listed or transferable equivalents:

### FOREIGN LANGUAGE REQUIREMENT FOR BACHELOR OF ARTS CANDIDATES

Two years of a single language in high school or one year of a single language in college. Eastern offers these languages: American Sign Language, Chinese, French, German, Japanese, Salish and Spanish.

### MAJOR/MINOR or CERTIFICATE REQUIREMENT

A minor or certificate is required for any major with fewer than 60 credits. See the department/program section of this catalog for detailed course and graduation requirements.

### SENIOR CAPSTONE/THESIS GRADUATION REQUIREMENT

ITGS 400 Interdisciplinary Senior Capstone (4) or for some majors, students may fulfill this requirement by completing a departmental capstone/thesis course. Check with the chair of the major department.

### CULTURAL AND GENDER DIVERSITY IN THE U.S.

and INTERNATIONAL STUDIES REQUIREMENTS

8 credits minimum; 4 credits in each area

Courses and experiences will be designed to provide knowledge and understanding of the cultural diversity of the United States and other societies and cultures of the world.

Second year or more advanced language study for 4–5 credits or 10 credits of approved (Japanese) first-year language study may satisfy the International Studies requirement. American Sign Language is excluded from fulfilling the International Studies Requirement.

<table>
<thead>
<tr>
<th>CULTURAL AND GENDER DIVERSITY IN THE U.S.</th>
<th>INTERNATIONAL STUDIES</th>
</tr>
</thead>
<tbody>
<tr>
<td>CULTURAL AND GENDER DIVERSITY IN THE U.S.</td>
<td>cross-listed</td>
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<tr>
<td>AAST 214 African American Culture and Ex . . . (5)</td>
<td>HUMN, HONS 214</td>
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<tr>
<td>AAST 215 Early African American History: . . . (5)</td>
<td>HIST, HONS 215</td>
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<tr>
<td>ADST 308 Cultural Issues in Addiction Treat . . . (4)</td>
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</tr>
<tr>
<td>ANTH 201 Latinas/os in Contemporary . . . (5)</td>
<td>CHST 201</td>
</tr>
<tr>
<td>ANTH 355 Indians of North America (5)</td>
<td>HONS 355</td>
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<tr>
<td>ANTH 432 Anthropology of Gender (4)</td>
<td>WMST 432</td>
</tr>
<tr>
<td>ART 310 World Art (5)</td>
<td></td>
</tr>
<tr>
<td>ART 311 African and African American Art . . . (5)</td>
<td>HUMN 311</td>
</tr>
<tr>
<td>CHST 101 Introduction to Chicano Culture (5)</td>
<td>ANTH 161</td>
</tr>
<tr>
<td>CMST 314 Gender and Communication (5)</td>
<td>WMST 314</td>
</tr>
<tr>
<td>CMST 340 Intercultural Communication (5)</td>
<td></td>
</tr>
<tr>
<td>COMD 201 Disability and Communication . . . (4.5)</td>
<td></td>
</tr>
<tr>
<td>DSST 310 Disability, Culture and Society (5)</td>
<td></td>
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<tr>
<td>ECON 424 Economics of Poverty and . . . (5)</td>
<td>AAST 424, WMST 426</td>
</tr>
<tr>
<td>ECON 427 The Economics of Women and Work (5)</td>
<td>WMST 427</td>
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<tr>
<td>EDUC 325 Inequalities and Impacts on . . . (4)</td>
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<tr>
<td>ENGL 380 Survey of Native American Literatures (5)</td>
<td>IDST 380</td>
</tr>
<tr>
<td>ENGL 389 Women, Literature and Social Change (5)</td>
<td>WMST 389</td>
</tr>
<tr>
<td>HIST 218 Chicano History (5)</td>
<td>CHST 218</td>
</tr>
<tr>
<td>HIST 313 Asian American History (5)</td>
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</tr>
<tr>
<td>HIST 394 Women in American History (5)</td>
<td>WMST 394</td>
</tr>
<tr>
<td>HLED 366 Women’s Health Issues (4)</td>
<td>WMST 366</td>
</tr>
<tr>
<td>IDST 101 Introduction to Indian Studies (5)</td>
<td></td>
</tr>
<tr>
<td>IDST 321 Contemporary Indian Studies (5)</td>
<td></td>
</tr>
<tr>
<td>PHIL 214 Philosophical Voices and Pop Culture (5)</td>
<td>WMST 417</td>
</tr>
<tr>
<td>PHIL 417 Women and Ethics (5)</td>
<td>WMST 331</td>
</tr>
<tr>
<td>PSYC 331 Psychology of Women (4)</td>
<td>WMST 421</td>
</tr>
<tr>
<td>PSYC 421 Care and Custody of Female Offenders (4)</td>
<td></td>
</tr>
<tr>
<td>RCST 101 Introduction to Race and Culture (5)</td>
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<tr>
<td>RCST 202 Race, Privilege and Power (5)</td>
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</tr>
<tr>
<td>SOCI 320 Race and Ethnic Relations: Global . . . (5)</td>
<td>WMST 321</td>
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<tr>
<td>SPAN 321 Spanish for Heritage Speakers (5)</td>
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<tr>
<td>SPAN 313 Spanish Composition for Heritage Speakers (5)</td>
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<tr>
<td>WMST 101 Introduction to Women’s Studies (5)</td>
<td>HUMN 101</td>
</tr>
<tr>
<td>WMST 310 Issues in Women’s Studies (4)</td>
<td>HUMN 310</td>
</tr>
<tr>
<td>WMST 415 Gay, Lesbian, Bisexual and . . . (5)</td>
<td>HUMN 415</td>
</tr>
<tr>
<td>INTERNATIONAL STUDIES</td>
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<tr>
<td>AAST 315 African History (5)</td>
<td>HIST, HONS 315</td>
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<tr>
<td>ANTH 342 Tribes, Bands and Chiefdoms (5)</td>
<td>HONS 342</td>
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<tr>
<td>ANTH 348 Peasant Societies (5)</td>
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<td>ANTH 349 Major Civilizations of Asia (5)</td>
<td>HONS 349</td>
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<tr>
<td>ANTH 357 Peoples of Latin America (5)</td>
<td>HONS 357</td>
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<tr>
<td>ANTH 358 Medical Anthropology (5)</td>
<td>HONS 358</td>
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<tr>
<td>ANTH 366 Revolution and Development in the . . . (5)</td>
<td>HONS 366</td>
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<tr>
<td>ANTH 450 Cultural Ecology (5)</td>
<td>HONS 450</td>
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<tr>
<td>BIOL 320 The Human Prospect (5)</td>
<td>HUMN 320</td>
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<tr>
<td>CMST 440 Global Communications (5)</td>
<td></td>
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<tr>
<td>ECON 470 International Economics (5)</td>
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<tr>
<td>ECON 475 Economic Development (5)</td>
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<tr>
<td>ENGL 323 A Global View through Children’s Lit . . . (5)</td>
<td>EDUC 323</td>
</tr>
<tr>
<td>GEOG 230 World Regional Geography (5)</td>
<td></td>
</tr>
<tr>
<td>GEOG 380 World Resources and Population (5)</td>
<td></td>
</tr>
<tr>
<td>GERM 381 Nationalism and Racism in Central . . . (4)</td>
<td>HUMN 381</td>
</tr>
<tr>
<td>GERM 382 20th Century Germany, From World . . . (5)</td>
<td>HIST 382</td>
</tr>
<tr>
<td>GOVT 203 Introduction to Comparative Politics (5)</td>
<td></td>
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<tr>
<td>GOVT 204 Introduction to International Politics (5)</td>
<td></td>
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<tr>
<td>GOVT 321 International Organizations (5)</td>
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<tr>
<td>GOVT 326 European Politics (5)</td>
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<tr>
<td>GOVT 329 Politics of South Asia (5)</td>
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<tr>
<td>HIST 104 East Asia: Tradition and Transformation (5)</td>
<td></td>
</tr>
<tr>
<td>HIST 301 History of the Present (5)</td>
<td></td>
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<tr>
<td>HIST 310 Imperial China (5)</td>
<td></td>
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<tr>
<td>HIST 350 War and Society (5)</td>
<td></td>
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<tr>
<td>HIST 365 Latin American History (5)</td>
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<tr>
<td>HIST 416 Modern Japan (5)</td>
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<tr>
<td>HIST 454 The Diplomatic History of Europe, 1914 . . . (5)</td>
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<tr>
<td>HSAD 490 International Perspectives on Healthcare (4)</td>
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<td>HUMN 315 East-West Philosophies and Religions (5)</td>
<td></td>
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<tr>
<td>HUMN 440 Perspectives on Death (5)</td>
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<tr>
<td>IDST 477 Contemporary Indigenous Women (5)</td>
<td>WMST 477</td>
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<tr>
<td>IDST 485 Indigenous Education (5)</td>
<td>EDUC 485</td>
</tr>
<tr>
<td>INST 200 Global Issues (4)</td>
<td></td>
</tr>
<tr>
<td>INST 380 Japan Today (4)</td>
<td>JAPN 380</td>
</tr>
<tr>
<td>MGMT 470 International Business Management (4)</td>
<td>IBUS 470</td>
</tr>
<tr>
<td>MGMT 471 Multinational People Management (4)</td>
<td></td>
</tr>
<tr>
<td>PLAN 476 Comparative Urbanization (4)</td>
<td></td>
</tr>
<tr>
<td>PSYC 474 Cultural Psychology (5)</td>
<td></td>
</tr>
<tr>
<td>SOCI 263 Social Problems (5)</td>
<td></td>
</tr>
<tr>
<td>SOCI 486 Contemporary World Systems (5)</td>
<td></td>
</tr>
<tr>
<td>TECH 393 Technology in World Civilization (4)</td>
<td>HONS 393</td>
</tr>
</tbody>
</table>
The undergraduate degree requires 180 minimum credits: 60 credits must be upper-division, 45 credits must be taken at EWU.
1. pre-university basic skills
2. university competencies and proficiencies
3. general education core
4. cultural and gender diversity and international studies
5. foreign language
6. major and minor fields of study
7. senior capstone

General Education Core Requirements (GECR) (see pg. 25)
- Humanities/Fine Arts
- Natural Sciences
- Social Sciences

University Competencies and Proficiencies (see pg. 23)
- Computer Literacy
- English Composition
- Mathematical Reasoning

Pre-University Basic Skills
- CPLA 100
- ENGL 100
- MTHD 103 and MTHD 104

Major and Minor Fields of Study
See program listings for requirements of specific majors (a minor or certificate is required if the major requires fewer than 60 credits.)

Foreign Language
For Bachelor of Arts candidates, two years of a single high school foreign language or one year of a single college-level foreign language is required.

Senior Capstone

Cultural and Gender Diversity in the U.S.

International Studies

Shaded areas indicate requirements satisfied by completion of an approved DIRECT TRANSFER AGREEMENT degree. A department may require specific courses to be completed for the major, for example, ENGL 201 not taken for the DTA may be required.
ACADEMIC APPEALS BOARD

Exceptions to academic regulations are considered by an Academic Appeals Board that consists of faculty and student representatives. The Academic Appeals Board will consider petitions of the following undergraduate requirements:

- general education
- university graduation
- 60 upper-division credits
- 45 credits in residence
- 15 upper division residence credits in major
- foreign language

To submit an appeal to the board, consult with the graduation evaluator in the Records and Registration Office in Sutton Hall. Submission of an appeal should be made sufficiently in advance of graduation so that program planning can be done according to the decision of the board to approve, deny or reconsider the petition.

The Academic Appeals Board does not consider cases that apply to majors or minors, grade appeals or professional certification. Consult with the appropriate department chair or program director to discuss any of these matters.

ACADEMIC FORGIVENESS POLICY FOR UNDERGRADUATE STUDENTS

1. Undergraduate students may make a one-time petition to have up to two consecutive quarters removed from the calculation of their credits and GPA. The course work must have been completed at least five years prior to this petition.
2. Forgiven courses cannot be used to satisfy any academic requirement.
3. Academic forgiveness may be recommended on a case-by-case basis during advising.
4. To be eligible for academic forgiveness, a student must have completed 30 consecutive credits at Eastern, maintained a GPA ≥ 2.5 and have declared a major.
5. Academic forgiveness may not be revoked. For further information on Academic Forgiveness, go to the Records and Registration Office, 201 Sutton Hall or call 509.359.2321.

ACADEMIC HONORS

DEANS’ HONOR LIST

Undergraduate and post baccalaureate students who complete at least 12 graded credits in a given quarter with a GPA ≥ 3.50 will be placed on the quarterly Deans’ Honor List for academic excellence. The honor is also recorded on their university transcript.

HONORS AT GRADUATION

Graduating seniors with a GPA between

- 4.00 and 3.9 = Summa Cum Laude
- 3.89 and 3.7 = Magna Cum Laude
- 3.69 and 3.5 = Cum Laude

Graduating seniors who achieve academic honors will be formally recognized during commencement, on university transcripts and on their diploma. Baccalaureate honors are awarded only to recipients of a first baccalaureate degree. These honors are earned by those students who have completed no fewer than 90 credits at this institution; 60 credits must be for courses in which grade points are awarded. Honors are calculated only on college-level credits earned at this institution.

ACADEMIC PROBATION, DISMISSAL AND REINSTATEMENT

All undergraduate students are held to the following academic policies and standards:

- all Eastern Washington University undergraduate students in their first quarter who do not attain a minimum GPA ≥ 2.0 will be placed on Academic Warning;
- at the end of each quarter, continuing undergraduate students who do not attain a cumulative GPA ≥ 2.0 are placed on Academic Probation for the next quarter of enrollment;
- undergraduate students on Academic Warning or Academic Probation who attain a cumulative GPA ≥ 2.0 are automatically removed from probation;
- undergraduate students on Academic Probation who attain a quarterly GPA of ≥ 2.0 but whose cumulative GPA is still <2.0 will remain on Academic Probation;
- undergraduate students on Academic Warning who attain a quarterly GPA of ≥ 2.0 but whose cumulative GPA is still <2.0 will be moved to Academic Probation;
- undergraduate students on Academic Probation whose cumulative GPA remains <2.0 and whose quarterly GPA is <2.0 will be dismissed from the university;
- to re-enroll after being academically dismissed, officially declared and undeclared students must petition for academic reinstatement through the Office of General Undergraduate Academic Advising (GUAA);
- students who were officially declared at the time of dismissal and are out for more than one year are dropped from the major;
- students in this situation will need to re-apply to EWU, as a former student returning (FSR). Please see www.ewu.edu/Apply.xml.
- a dismissed undergraduate student is not eligible to enroll the following academic quarter (fall, winter, spring or summer);
- first-time dismissed undergraduate students will be eligible to petition for reinstatement after one quarter;
- undergraduate students dismissed a second time will be eligible to petition for reinstatement after one year;
- students who are dismissed at the end of spring quarter will not be eligible to enroll in summer or fall quarter but may petition for reinstatement for winter quarter;
- to be eligible for academic reinstatement, dismissed undergraduate students must demonstrate an improved academic performance or readiness for academic success;
- the academic reinstatement process is coordinated through General Undergraduate Academic Advising (GUAA). Visit the GUAA website access.ewu.edu/academic-advising for additional information or call 509.359.2345.

ACADEMIC STANDARDS FOR POST BACCALAUREATE STUDENTS

Students who enroll at EWU for a second baccalaureate degree, having completed their first undergraduate degree at another university, will have their graduation GPA based on their EWU career only. These students will be eligible for quarterly deans list, under the same standards as any other undergraduate student, but are not eligible for graduation honors.
MAJOR/MINOR FORM
Application for graduation is required for any student seeking an undergraduate degree and must be submitted to the graduation evaluator. Records and Registration Office, second floor, Sutton Hall, by the published deadlines. Graduation application deadlines are available in Records and Registration, academic departments, the quarterly announcement and www.ewu.edu/registrar. Timely submission provides an opportunity to review degree requirements and to plan or change course enrollment to ensure completion of all requirements.

Students who do not complete all degree requirements in the quarter of intended graduation must reapply for a subsequent quarter with the graduation evaluator. A reapplication fee may be assessed.

The graduation application fee and the reapplication fee change annually. For current fees, please see www.ewu.edu/registrar.

TO COMPLETE AN APPLICATION FOR THE UNDERGRADUATE DEGREE
• Submit the Application for Graduation/Major/Minor Requirements approval form with all required faculty signatures to the Records and Registration Office, 201 Sutton Hall.
• Pay the graduation fee in Student Financial Services (one fee for each degree), 202 Sutton Hall.

CATALOG OPTIONS
The catalog in effect at the time the student is first admitted will be used to determine the general education requirements. The catalog in effect at the time the student declares a major or minor will be used to determine the program requirements. This catalog may only be changed to a newer catalog with the approval of the department chair or program director by resubmitting the major declaration form.

In no case can the catalog used for the major or the minor be more than six years old. A student whose major or minor catalog has expired will be required to submit a new major declaration form; the major and minor will be updated to the catalog in effect at the time of the resubmission.

Exceptional circumstances regarding the catalog used to assess a student’s major or minor may be appealed to the appropriate department.

MAJOR/MINOR REQUIREMENTS
Minors are a distinct set of undergraduate courses that have been approved and designated in the catalog. A minor or certificate is required for graduation with any major program of less than 60 credits. Minors or certificates that are required for graduation must contain at least 15 credits that are not part of the major requirements. (The minor or certificate cannot be fully embedded in the major requirements.) Minors that are an option for graduation may be embedded in the major requirements and recorded on official university transcripts.

DECLARING A MAJOR AND MINOR
All undergraduates must declare a major by the time they have completed 90 credits. Students who transfer with 90 credits or more must declare a major before registration. Call or email your department of interest for exact procedures on declaring a major/minor. Department contact information is located at the beginning of each Academic Program listing.

GRADING SYSTEM, POLICIES AND APPEALS
General information is provided in the policy section at the back of the catalog, including the full policy on grade appeals.

SECOND DEGREE POLICY
Students may be awarded more than one undergraduate degree at Eastern Washington University.
• In all cases at least 225 credits are required to earn a second degree. Each subsequent degree requires an additional 45 credits.
• At least 45 credits that are different from those that are included in the first degree and are part of an approved program are required to earn two degrees.
• If fewer than 225 credits are completed, a second major rather than a second degree will be recorded on the university transcript, provided that the credits earned comply with program requirements for that major.
• The student must have the approval of each department chair or program director confirming that all degree requirements have been satisfied.
• If students complete more than one undergraduate degree concurrently, a minor is not required.

Transfer post-baccalaureate students can receive a bachelor’s degree from EWU that is of the same type (BA, BS, BAE, etc.) as awarded at the transfer institution, provided EWU’s degree requirements are completed. The major/minor area of emphasis must be different from that awarded at the transfer institution.

Any questions regarding this policy should be directed to the graduation evaluator in Records and Registration, second floor, Sutton Hall.

Note: General education and graduation requirements are waived for a student possessing a baccalaureate degree from an accredited institution who wishes to obtain an additional undergraduate degree from Eastern.

SECOND MAJOR POLICY
Students may be awarded more than one major of the same degree type (BA, BS, BAB, BAE, BM and BFA). At least 30 credits in any major must be different from those in any other major.

This policy became effective spring quarter 2011.
The Graduate Programs office coordinates admission for all of Eastern's graduate programs and provides a wide range of assistance to prospective and current students as well as to faculty and staff at the university. Admission to Graduate Programs requires, at a minimum, completion of a baccalaureate degree. For more information about the academic and student services provided by the office, including admissions and policies, call or email the Graduate Programs office or visit the website, www.ewu.edu/grad.

APPLICATION PROCESS

All programs except Interdisciplinary Studies have an online application available via EagleNET at www.ewu.edu/eaglenet. Admission requirements for individual programs vary and usually include supplemental materials beyond the general application to Graduate Programs. Any supplemental materials required by a program should be sent directly to that department. Use the summary guidelines and the departmental materials beyond the general application to Graduate Programs. Any requirements for individual programs vary and usually include supplemental.

Graduates of accredited U.S. programs must submit a complete, separate application for each program. Applicants must submit all materials by the specific deadlines established by each program. Applicants to more than one program (this includes dual-degree programs) must submit a complete, separate application for each program.

APPLICATION REQUIREMENTS AND CATEGORIES

All Applicants

Apply online and submit the required application fee. Applicants must pay the fee for each graduate program application, except for dual-degree program applicants, who pay only one fee for both applications.

Standardized Test Scores, GRE/GMAT: Submit official score reports from the Graduate Record Examination General Test (GRE), if required by the department, or score reports from the Graduate Management Admission Test (GMAT) for MBA applicants. Official scores must be sent directly by the Educational Testing Service to Eastern (school code 4301). Computer-based testing is available in many areas and is offered regularly throughout the year. Call 1.800.GRE.CALL or refer to www.gre.org or www.gmat.org for more information.

Transcripts: Submit one official copy of transcripts from all colleges and universities previously attended. Students who received undergraduate degrees from Eastern do not need to request that those transcripts be sent to the Graduate Programs office.

International Applicants

In addition to the online application for admission, international applicants are required to submit a course-by-course credential evaluation through World Education Services (WES) or another credential evaluation service recognized by the National Association of Credential Evaluation Services (NACES), which can be found at www.naces.org. The WES application and forms are available at www.wes.org. Graduates of accredited U.S. universities are not required to submit a credential evaluation. One copy of official university transcripts or postsecondary academic records must also be sent directly to Graduate Programs, 206 Showalter Hall, Cheney, WA 99004-2444. International applicants who have already had a credential evaluation completed by WES or another credential service need to have an official copy of that evaluation sent to Eastern, along with a copy of their university transcripts.

In addition to the online application for admission, international applicants who have earned an undergraduate degree from an accredited post-secondary institution in the U.S. are not required to submit an English language test score as part of their application.

International Applicants

Applicants who submit an official score report showing any of the following English language test scores may be admitted conditionally, upon recommendation of the academic program. In such cases, registration for classes is conditional upon having a program of English language study approved by the director of the Teaching English as a Second Language (TESL) program. A student with conditional admission may be granted full admission upon presentation of a new official score report showing any of the test scores identified above as satisfying the English language proficiency requirement or upon recommendation of the director of the TESL program.

Language Proficiency

All students from countries where English is not the native language must provide evidence of adequate proficiency in the English language before being admitted to graduate study. All applicants must meet all other admission requirements in addition to the English language proficiency requirement in order to be admitted. The language requirement may be satisfied by submitting an official score report showing any of the following scores on the Test of English as a Foreign Language (TOEFL), paper-based test (PBT) or Internet-based test (iBT); the Pearson Test of English, Academic (PTE-A); or the International English Language Testing System (IELTS).

<table>
<thead>
<tr>
<th>Test</th>
<th>TOEFL PBT</th>
<th>TOEFL iBT</th>
<th>PTE-A</th>
<th>IELTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Score</td>
<td>580 or higher</td>
<td>92 or higher</td>
<td>63 or higher</td>
<td>7.0 or higher</td>
</tr>
</tbody>
</table>

Otherwise admissible applicants who submit an official score report showing any of the following English language test scores may be admitted conditionally, upon recommendation of the academic program. In such cases, registration for classes is conditional upon having a program of English language study approved by the director of the Teaching English as a Second Language (TESL) program. A student with conditional admission may be granted full admission upon presentation of a new official score report showing any of the test scores identified above as satisfying the English language proficiency requirement or upon recommendation of the director of the TESL program.

Applicants who submit an official score report showing any of the following English language test scores may be admitted to the University as post-baccalaureate students and may take up to 12 pre-approval credits to be counted toward a graduate degree after graduate admission and with program approval. These applicants may be granted full admission upon presentation of a new official score report showing any of the test scores identified in the first table above as satisfying the English language proficiency requirement or may be granted conditional admission for new scores in the conditional range in the second table above.

<table>
<thead>
<tr>
<th>Test</th>
<th>TOEFL PBT</th>
<th>TOEFL iBT</th>
<th>PTE-A</th>
<th>IELTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Score</td>
<td>550–579</td>
<td>79–91</td>
<td>53–62</td>
<td>6.5</td>
</tr>
</tbody>
</table>

Applicants who submit an official score report showing any of the following English language test scores may be admitted to the University as post-baccalaureate students and may take up to 12 pre-approval credits to be counted toward a graduate degree after graduate admission and with program approval. These applicants may be granted full admission upon presentation of a new official score report showing any of the test scores identified in the first table above as satisfying the English language proficiency requirement or may be granted conditional admission for new scores in the conditional range in the second table above.

<table>
<thead>
<tr>
<th>Test</th>
<th>TOEFL PBT</th>
<th>TOEFL iBT</th>
<th>PTE-A</th>
<th>IELTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Score</td>
<td>525–549</td>
<td>71–78</td>
<td>48–52</td>
<td>6.0</td>
</tr>
</tbody>
</table>

Please note: international applicants who have earned an undergraduate degree from an accredited post-secondary institution in the U.S. are not required to submit an English language test score as part of their application.

Alternative to submitting test scores to meet the English language proficiency admission requirement: Otherwise admissible applicants may, with the written approval of the academic program, be admitted upon successful completion of a prescribed program of appropriate content course work and English Language Institute (ELI) course work. This course work will be agreed upon in advance by both the program and ELI. Successful completion is defined by the academic program for the content courses and by ELI in the advanced language level by achieving linguistic proficiency with a good rating on the ELI scale of fair/good/excellent. Up to 12 credits of content course work completed before admission may be applied to the appropriate graduate program after admission with the program’s written approval.

Note: this policy is not to be construed as replacing evaluation by the director of the TESL program for applicants with an English language test score in the conditional range in the second table above, nor should it be construed as a policy on conditional admission to graduate studies.
GRADUATE ADMISSION REQUIREMENTS AND EXCEPTIONS TO MINIMUM REQUIREMENTS

A baccalaureate degree from an appropriately accredited college or university is required for admission to a graduate program. Upon receipt of a complete application, eligibility for graduate admission is determined by evidence of scholarly ability as indicated by a minimum GPA $\geq 3.0$ in the last 90 quarter or 60 semester-graded hours. Applicants with an earned graduate or professional degree from an appropriately accredited institution meet the minimum GPA admission requirements.

Admission to a graduate program is granted only after recommendation by the major department and the approval of the vice provost for Academic Planning, Graduate Programs, Grants and International Research.

EXCEPTIONS TO GPA REQUIREMENTS FOR GRADUATE ADMISSION

Upon written recommendation by the program director, the vice provost for Academic Planning, Graduate Programs, Grants and Institutional Research may approve the admission of a limited number of students who do not meet the GPA minimum, based upon considerations which include GRE or other test scores, performance in relevant graduate courses, and faculty evaluations.

PROFESSIONAL EXPERIENCE AND GRADUATE ADMISSIONS

Applicants with at least 10 years of increasingly responsible professional experience in the field for which they are applying may be considered for regular admission to Graduate Programs. These applicants must have a baccalaureate degree from an accredited university, follow the general application procedures outlined above and meet the following requirements:

- submit a transcript showing a GPA $\geq 3.0$ for the last 90 quarter- or 60 semester-graded hours; or
- submit satisfactory scores on the GRE, GMAT or other approved test; or
- write an essay demonstrating critical thinking skills; or
- write a statement of intent demonstrating a level of knowledge and intellectual maturity appropriate to the proposed field of graduate study; or
- present evidence of professional success in a field relevant to the proposed area of study.

Applicants for admission under the professional experience provision must work closely with the program advisor or director to ensure that all required materials are received and reviewed. Any recommendation for admission under this provision must come from the academic department or program to the Graduate Programs office. Admission is granted only with the approval of the vice provost for Academic Planning, Graduate Programs, Grants and Institutional Research. Call the Graduate Programs office if there are further questions.

GRADING SYSTEM, POLICIES AND APPEALS

General information is provided in the policy section at the back of the catalog, including the full policy on grade appeals. Also see the information following Graduate Programs Academic Policies and Degree Requirements section.

GRADUATE DEGREE REQUIREMENTS

Each academic program specifies the particular requirements for the degree in the program listings in the center of this catalog. Graduate degree specializations must be built upon adequate undergraduate preparation. The minimum credits required to complete a graduate degree at Eastern are as follows:

<table>
<thead>
<tr>
<th>Degree</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Master of Science</td>
<td>48</td>
</tr>
<tr>
<td>Master of Education</td>
<td>48</td>
</tr>
<tr>
<td>Master of Business Administration</td>
<td>48–50</td>
</tr>
<tr>
<td>Master of Arts</td>
<td>48</td>
</tr>
<tr>
<td>Master of Public Administration</td>
<td>60</td>
</tr>
<tr>
<td>Advanced Standing program</td>
<td>46</td>
</tr>
<tr>
<td>Master of Fine Arts</td>
<td>72</td>
</tr>
<tr>
<td>Master of Urban and Regional Planning</td>
<td>72</td>
</tr>
<tr>
<td>Master of Social Work</td>
<td>90</td>
</tr>
<tr>
<td>Advanced Standing program</td>
<td>51</td>
</tr>
<tr>
<td>Master of Occupational Therapy</td>
<td>131</td>
</tr>
<tr>
<td>Advanced Standing program</td>
<td>73</td>
</tr>
<tr>
<td>Educational Specialist</td>
<td>107</td>
</tr>
<tr>
<td>Doctor of Physical Therapy</td>
<td>161</td>
</tr>
</tbody>
</table>

MINIMUM DUAL-DEGREE REQUIREMENTS

<table>
<thead>
<tr>
<th>Degree</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MPA/MBA</td>
<td>82</td>
</tr>
<tr>
<td>MPA/MSW Advanced Standing 83</td>
<td></td>
</tr>
<tr>
<td>MPA/MURP 90–92</td>
<td></td>
</tr>
<tr>
<td>MSW/JD (with Gonzaga University*)</td>
<td>90</td>
</tr>
<tr>
<td>78 credits at EWU with 12 transfer credits from Gonzaga*</td>
<td></td>
</tr>
<tr>
<td>Advanced Standing MSW/JD (with Gonzaga University*)</td>
<td>51</td>
</tr>
<tr>
<td>39 credits at EWU with 12 transfer credits from Gonzaga*</td>
<td></td>
</tr>
</tbody>
</table>

* Dual-degree students in this program must satisfy all Gonzaga University law school juris doctorate requirements.

Complete requirements for all graduate students are established and approved by the Graduate Affairs Council. A copy of the current policy manual is available at [www.ewu.edu/about/administration/president/policies](http://www.ewu.edu/about/administration/president/policies).

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<table>
<thead>
<tr>
<th>Program</th>
<th>Degree Name</th>
<th>Exams Required</th>
<th>Deadlines and Special Requirements</th>
<th>Contact Person</th>
<th>Area Code for All Phone Numbers: 509</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biology</td>
<td>MS</td>
<td>GRE (general)</td>
<td>Graduate Assistants must apply by March 1. All other applicants must apply by quarterly deadlines. TOEFL if applicable.</td>
<td>Rebecca Brown</td>
<td>258 Hall of Sciences 359.2528</td>
</tr>
<tr>
<td></td>
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<td></td>
<td></td>
<td><a href="mailto:rbrown@ewu.edu">rbrown@ewu.edu</a></td>
<td><a href="mailto:biologymasters@ewu.edu">biologymasters@ewu.edu</a></td>
</tr>
<tr>
<td>Business</td>
<td>MBA</td>
<td>GMAT</td>
<td>Quarterly admission; evening classes.</td>
<td>Roberta Brooke</td>
<td>668 N. Riverpoint Blvd. Suite 1,</td>
</tr>
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<td></td>
<td></td>
<td></td>
<td></td>
<td>Room 331</td>
<td>Spokane, WA 828.1248</td>
</tr>
<tr>
<td>Communication Disorders</td>
<td>MS</td>
<td>GRE (general)</td>
<td>Recommendations; statement of professional interest and intent; February 1 deadline; program application fee</td>
<td>Roberta Jackson</td>
<td>310 N. Riverpoint Blvd. Box B</td>
</tr>
<tr>
<td></td>
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<td></td>
<td>Spokane, WA 828.1326</td>
<td><a href="mailto:rbrooke@ewu.edu">rbrooke@ewu.edu</a></td>
</tr>
<tr>
<td>Communication Studies</td>
<td>MS</td>
<td>GRE (general)</td>
<td>Quarterly admission; 1,000-word essay; two letters of recommendation; interview.</td>
<td>Galina Sinekopova</td>
<td>229 Communication Bldg. 359.2865</td>
</tr>
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<td>gsin <a href="mailto:gekopova@ewu.edu">gekopova@ewu.edu</a></td>
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</tr>
<tr>
<td>Computer Science</td>
<td>MS</td>
<td>None</td>
<td>Statement of purpose; self-evaluation; two recommendations (one from a computer science instructor); quarterly admission.</td>
<td>Carol Taylor</td>
<td>315 Computer and Engineering Bldg.</td>
</tr>
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<td></td>
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<td></td>
<td>359.6908</td>
<td><a href="mailto:ctaylor@ewu.edu">ctaylor@ewu.edu</a></td>
</tr>
<tr>
<td>Dental Hygiene</td>
<td>MS</td>
<td>GRE</td>
<td>Current dental hygiene license; successful completion of dental hygiene national board exam; essay on a topic provided by department; CPR certification; criminal background check; $50 departmental application fee; fall admission only.</td>
<td>Rebecca Stolberg</td>
<td>310 N Riverpoint Blvd Box E</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Spokane, WA 828.1298</td>
<td><a href="mailto:rstolberg@ewu.edu">rstolberg@ewu.edu</a></td>
</tr>
<tr>
<td>Education</td>
<td>MEd</td>
<td>WEST-B only for programs with certification</td>
<td>Three recommendations (one from a supervisor); send copy of state teaching certificate for Curriculum and Instruction, Literacy; quarterly admission; contact department for further information.</td>
<td>Robin Showalter</td>
<td>312 Williamson Hall 359.6492</td>
</tr>
<tr>
<td></td>
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<td></td>
<td></td>
<td><a href="mailto:rshowalter@ewu.edu">rshowalter@ewu.edu</a></td>
<td></td>
</tr>
<tr>
<td>English</td>
<td>MA</td>
<td>GRE</td>
<td>All applicants declare professional emphasis; 800-1,000-word department essay. Submit GSA applications by February 15th.</td>
<td>Dr. Logan Greene</td>
<td>203 Patterson Hall 359.2400</td>
</tr>
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<td></td>
<td><a href="mailto:lgreene@ewu.edu">lgreene@ewu.edu</a></td>
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</tr>
<tr>
<td>Creative Writing</td>
<td>MFA</td>
<td>GRE (general)</td>
<td>10–20 pages of poetry; 15–25 pages of prose; two letters of reference; additional letter including interest and teaching experience for graduate assistantship; to guarantee a spot in the fall, all applications must be received by Feb. 15; otherwise quarterly admission.</td>
<td>Greg Spatz</td>
<td>425 ROB</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Spokane, WA 359.4972</td>
<td><a href="mailto:gspatz@ewu.edu">gspatz@ewu.edu</a></td>
</tr>
<tr>
<td>Literature</td>
<td>MA</td>
<td>GRE</td>
<td>Quarterly admission</td>
<td>Judy Logan</td>
<td>203 Patterson Hall 359.6035</td>
</tr>
<tr>
<td></td>
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<td></td>
<td><a href="mailto:jlogan@ewu.edu">jlogan@ewu.edu</a></td>
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</tr>
<tr>
<td>Rhetoric and Technical</td>
<td>MA</td>
<td>GRE</td>
<td>10–15 page writing sample; two letters of recommendation; quarterly admission.</td>
<td>Molly Johnson</td>
<td>211D Patterson Hall 359.6037</td>
</tr>
<tr>
<td>Communication</td>
<td></td>
<td></td>
<td></td>
<td><a href="mailto:mjohnson@ewu.edu">mjohnson@ewu.edu</a></td>
<td></td>
</tr>
<tr>
<td>Teaching English as a Second</td>
<td>MA</td>
<td>GRE; TOEFL (if applicable)</td>
<td>If English is not first language: 1. TOEFL score of 580 and 2. personal or telephone interview with graduate program director; foreign language requirement for all students; quarterly admission.</td>
<td>LaVona Reeves</td>
<td>203 Patterson Hall <a href="mailto:lreeves@ewu.edu">lreeves@ewu.edu</a></td>
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<tr>
<td>Language</td>
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<tr>
<td>History</td>
<td>MA</td>
<td>TOEFL (if applicable)</td>
<td>Quarterly admission; substantial academic writing sample; one-page career and purpose statement; two letters of recommendation.</td>
<td>Michael Conlin</td>
<td>103 Patterson Hall 359.7851</td>
</tr>
<tr>
<td></td>
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<td></td>
<td><a href="mailto:mconlin@ewu.edu">mconlin@ewu.edu</a></td>
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<tr>
<td>Program</td>
<td>Degree</td>
<td>Requirements</td>
<td>Contact Information</td>
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<tr>
<td>Interdisciplinary</td>
<td>MA or MS</td>
<td>None (unless required by program advisors)</td>
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<td></td>
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<td>Quarterly admission; interdisciplinary program proposal form.</td>
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<tr>
<td>Modern Languages: French Only</td>
<td>MEd</td>
<td>None</td>
<td>Florian Preisig</td>
<td></td>
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<td></td>
<td></td>
<td>Summer language classes only; quarterly admission; contact department for further information</td>
<td>133 Patterson Hall</td>
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<td></td>
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<td>359.6001</td>
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<td></td>
<td></td>
<td><a href="mailto:fpreisig@ewu.edu">fpreisig@ewu.edu</a></td>
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<tr>
<td>Music</td>
<td>MA</td>
<td>None</td>
<td>Jane Ellsworth</td>
<td></td>
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<tr>
<td></td>
<td></td>
<td>Quarterly admission; contact department for further information</td>
<td>119 Music Bldg.</td>
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<td>359.7076</td>
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<td><a href="mailto:jellsworth@ewu.edu">jellsworth@ewu.edu</a></td>
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<tr>
<td>Occupational Therapy</td>
<td>MOT</td>
<td>GRE</td>
<td>Greg Wintz</td>
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<td></td>
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<td>February 1 deadline for start of program summer term; supplemental application; three letters of recommendation; interview.</td>
<td>225 Health Science Bldg.</td>
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<td>828.1345</td>
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<td><a href="mailto:gwintz@ewu.edu">gwintz@ewu.edu</a></td>
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<tr>
<td>Physical Education</td>
<td>MS</td>
<td>None</td>
<td>Jeff Kawaguchi</td>
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<td></td>
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<td>Fall admission; one- to two-page goals and philosophy statement; three letters of recommendation.</td>
<td>200 PEHR Classroom Bldg.</td>
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<td><a href="mailto:jkawaguchi@ewu.edu">jkawaguchi@ewu.edu</a></td>
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<tr>
<td>Physical Therapy</td>
<td>DPT</td>
<td>GRE</td>
<td>Debra Dickerson</td>
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<td></td>
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<td>January 6 application deadline; $25 program application fee and supplemental application; fall admission only.</td>
<td>270 Health Services Bldg.</td>
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<td>828.1354</td>
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<td><a href="mailto:ddickerson@ewu.edu">ddickerson@ewu.edu</a></td>
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<tr>
<td>Psychology</td>
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<tr>
<td>Applied Psychology Mental Health Counseling concentration</td>
<td>MS</td>
<td>GRE</td>
<td>Keely Hope</td>
<td></td>
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<tr>
<td>Applied Psychology School Counseling concentration</td>
<td></td>
<td>Supplemental application due February 1.</td>
<td>135 Martin Hall</td>
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<tr>
<td>Clinical Psychology</td>
<td>MS</td>
<td>GRE (within five years)</td>
<td>Dennis Anderson</td>
<td></td>
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</tr>
<tr>
<td>General/Experimental Psychology</td>
<td></td>
<td>Department application; statement of intent; three recommendation letters; January 15 early consideration deadline and March 1 deadline for fall</td>
<td>135 Martin Hall</td>
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<tr>
<td>School Psychology</td>
<td>EdS</td>
<td>GRE</td>
<td>Susan Ruby</td>
<td></td>
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</tr>
<tr>
<td>School Psychology Online</td>
<td>EdS</td>
<td>Master’s degree in appropriate discipline; February 1 for summer cohort; letters of reference; check with program advisor for further information.</td>
<td>135 Martin Hall</td>
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<td>359.4736</td>
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<td><a href="mailto:jchaffin@ewu.edu">jchaffin@ewu.edu</a></td>
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<tr>
<td>Public Administration</td>
<td>MPA</td>
<td>TOEFL (if applicable)</td>
<td>Ning Li</td>
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<tr>
<td></td>
<td></td>
<td>Quarterly admission; additional form; current résumé; short essay depicting career plan; three recommendation letters; contact program for further information.</td>
<td>668 N. Riverpoint Blvd., #327</td>
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<td>828.1264</td>
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<td></td>
<td><a href="mailto:ning.li@ewu.edu">ning.li@ewu.edu</a></td>
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<tr>
<td>Public Health</td>
<td>MPH</td>
<td>GRE</td>
<td>Frank Houghton</td>
<td></td>
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<tr>
<td></td>
<td></td>
<td>Contact the department.</td>
<td>668 N. Riverpoint Blvd</td>
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<td></td>
<td>828.1218</td>
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<td></td>
<td><a href="mailto:fhoughton@ewu.edu">fhoughton@ewu.edu</a></td>
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</tr>
<tr>
<td>Social Work</td>
<td>MSW</td>
<td>GRE (optional)</td>
<td>Diane Somerday</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Admission application deadlines vary by cohort. A Social Work specific application packet is required. To receive the packet, please either contact the department at 509.359.6772 or download the packet on-line at ewu.edu/msw</td>
<td>121 Senior Hall</td>
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<td></td>
<td>359.6482</td>
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<td><a href="mailto:dsomerday@ewu.edu">dsomerday@ewu.edu</a></td>
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</tr>
<tr>
<td>Urban and Regional Planning</td>
<td>MURP</td>
<td>None</td>
<td>Gabor Zovanyi</td>
<td></td>
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<tr>
<td></td>
<td></td>
<td>Two recommendation letters; personal letter of intent; June 1 deadline for fall otherwise quarterly admission; contact department for further information.</td>
<td>668 N. Riverpoint #237</td>
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<td>828.1216</td>
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<td></td>
<td><a href="mailto:gzovanyi@ewu.edu">gzovanyi@ewu.edu</a></td>
<td></td>
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<tr>
<td>Certificate Programs—separate application required for all students</td>
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<tr>
<td><strong>Addiction Studies</strong></td>
<td>None</td>
<td>Quarterly admission, check with program advisor for further information.</td>
<td>Grace Creasman 501 N. Riverpoint, Suite 425 359.2356 <a href="mailto:gcreaseam@ewu.edu">gcreaseam@ewu.edu</a></td>
<td></td>
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</tr>
<tr>
<td><strong>Disability Studies</strong></td>
<td>None</td>
<td>Quarterly admission; check with program director for further information.</td>
<td>Romel Mackelprang 223 Senior Hall 359.6484 <a href="mailto:rmackelprang@ewu.edu">rmackelprang@ewu.edu</a></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Geographic Information Systems</strong></td>
<td>None</td>
<td>Quarterly admission; check with program director for further information.</td>
<td>Stacy Warren 103 Isle Hall 509.359.7962 <a href="mailto:swarren@ewu.edu">swarren@ewu.edu</a></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Health Services Administration</strong></td>
<td>None</td>
<td>Quarterly admission; check with program director for further information.</td>
<td>Mary Ann Keogb-Hoss 668 N. Riverpoint Suite 338 828.1218 <a href="mailto:mhoss@mail.ewu.edu">mhoss@mail.ewu.edu</a></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Middle-Level Mathematics Endorsement</strong></td>
<td>None</td>
<td>Check with program director for further information.</td>
<td>Diane Dowd 216 Kingston Hall 359.2876 <a href="mailto:ddowd@ewu.edu">ddowd@ewu.edu</a></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Public Management Development</strong></td>
<td>None</td>
<td>Quarterly Admission; check with program director for more information.</td>
<td>Ning Li 668 N. Riverpoint #32 828.1218 <a href="mailto:ningli@ewu.edu">ningli@ewu.edu</a></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Teaching of Literature</strong></td>
<td>None</td>
<td>Quarterly admission; check with program advisor for further information.</td>
<td>Judith Logan 203 Patterson Hall 359.6035 <a href="mailto:jklogan@ewu.edu">jklogan@ewu.edu</a></td>
<td></td>
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</tr>
<tr>
<td><strong>Teaching of Writing</strong></td>
<td>None</td>
<td>Quarterly admission, check with program advisor for further information.</td>
<td>Justin Young 203 Patterson Hall 359.7062 <a href="mailto:jayoung@ewu.edu">jayoung@ewu.edu</a></td>
<td></td>
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</tr>
<tr>
<td><strong>Tribal Planning</strong></td>
<td>None</td>
<td>Quarterly admission, check with program advisor for further information.</td>
<td>Dick Winchell 3 Riverpoint 828.1205 <a href="mailto:dwinchell@ewu.edu">dwinchell@ewu.edu</a></td>
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</tbody>
</table>
ACADEMIC STANDARDS

• At least 75 percent of the total credits for a graduate degree must be at the 500 level or above. Note: interdisciplinary degrees (as described separately in this catalog) may include no more than 12 quarter credits of undergraduate course work.
• Distance-delivered courses numbered 400 or above, offered by accredited institutions as graded courses and part of a graduate program of study may be included in a graduate degree program at Eastern at the discretion of the program/department.
• No 300-level courses are allowed in a graduate degree program without prior permission from the vice provost for Academic Planning, Graduate Programs, Grants and Institutional Research. Only one approved 300-level course of up to five quarter credits is allowed in any graduate program.
• No program requirements can be satisfied with a course grade <2.0.
• Only two courses in a student’s degree program may be <2.5; repeats do not change this rule.
• Pass/No Credit courses may count in a graduate degree program, but a student must complete 75 percent of the quarter credits required for the program as graded work. Upper-division undergraduate courses (300–400) with pass/no credit grades cannot be included as part of the graduate program.
  1. Pass/No Credit grades are utilized only in designated graduate-level courses. (Graduate courses may not be taken Pass/No Credit unless the course has been so designated by departments.)
  2. Students with more than two no-credit (NC) grades in their program will have their record reviewed by the program advisor with possible termination of the program as a consequence.
• Proof of competency in research is required of all graduate degree candidates.
• Senior students with exceptional ability and appropriate background may enroll in 500-level courses only with prior written permission of the vice provost for Academic Planning, Graduate Programs, Grants and Institutional Research.
• Three-fourths of the minimum credits required for the specific degree program must be earned in approved courses offered by EWU. The remaining credits may consist of approved credits from other accredited institutions.

APPEALS

Occasionally, a student may wish to appeal one of Eastern’s graduate policies. Student appeals of graduate policies and procedures should be addressed to the vice provost for Academic Planning, Graduate Programs, Grants and Institutional Research. These appeals should be made in writing, initiated by the student, and endorsed by the appropriate graduate program advisor or director. The appeal document must contain adequate justification demonstrating that the student possesses sufficient outstanding qualities to balance identified weaknesses.

Note: appeals of the policy on previous graduate credit found on page 37 are heard by an Academic Appeals Board.

COURSE LEVEL POLICIES

<table>
<thead>
<tr>
<th>Upper Division</th>
<th>Graduate Division</th>
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<tbody>
<tr>
<td>400–499 primarily for seniors; graduate students may count a limited number of credits from graded courses, only with program approval</td>
<td>500–599 graduate level; senior undergraduates may enroll only with permission of both department chair and vice provost</td>
</tr>
<tr>
<td>600–699 graduate level only</td>
<td>700–799 doctoral level only</td>
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</tbody>
</table>

At all levels, course numbers ending in 95 through 99 indicate special courses, with the particular subject matter varying from quarter to quarter:

95 internships
96 experimental
97 workshops, short courses, conferences (Only one workshop course of up to 3 credits may be used to fulfill graduate degree requirements.)
98 seminars
99 independent and directed study

All departments may offer these types of courses, but not all may be listed in this catalog; check with individual department offices for the most current information on course availability.

COURSE LOADS

The minimum full-time enrollment for graduate students is 10 quarter credits for students on a quarter calendar (QC) and 15 quarter credits for students on a semester calendar (SC). A standard study load normally involves around 12 quarter credits for full-time QC students or 18 quarter credits for full-time SC students. The course load of graduate students may not in any term exceed 18 quarter credits for QC students or 27 quarter credits for SC students without the approval of the student’s advisor and the appropriate department chair or designee. Students receiving a graduate service appointment must also have the approval of the vice provost for Academic Planning, Graduate Programs, Grants and Institutional Research to enroll in overload credits. Call 509.359.6297 with any questions.

COURSE REPEAT

Courses may be repeated for graduate credit. However, as stated above under Academic Standards, only two courses in a student’s degree program may be <2.5; repeats do not change this rule. Also see the probation policy below and the general information on the grading system in the policy section in the back of the catalog.
DEGREE COMPLETION AND USE OF UNIVERSITY RESOURCES

After being admitted to a graduate program a student has six calendar years in which to complete a graduate degree program, beginning with the quarter the student is admitted. Subject to the following exceptions:

- This policy may not be construed to change the six-year limit between commencement of study toward the degree and completion of the degree program. (The six-year limit begins with the date of the first course used toward degree requirements, including any pre-admission credits.)
- Admitted students who fail to complete the degree within the six-year period will be dropped from the program and must re-apply for admission to the degree program with evaluation of all credits taken to date and pay the application fee.
- Students who are using university resources during the six-year period, including faculty consultation, laboratories, library resources, scheduling and completing final examinations, must register for a minimum of 2 credits. In the quarter of defense, the student must be enrolled for a minimum of 2 credits. (Summer session only permits 1 credit registration.)

ENROLLMENT POLICIES FOR GRADUATE STUDENTS

Graduate students may register only after being fully admitted to EWU. Any student who attends classes but fails to register for those classes through the Records and Registration Office will not receive credit for those classes. Students who register after the registration period will be assessed a late registration fee per course. The instructor’s permission is required for late registration. An advisor’s signature is required prior to registration for all new entering students, returning students on academic dismissal, those on probation and any student with an overload of credits.

Failure to attend the first class meeting may result in loss of registration in that course section. Failure to complete all prerequisite requirements prior to registering may result in loss of registration.

Please refer to the quarterly announcement at www.ewu.edu/registrar for further information on registration procedures such as how to drop, add and withdraw.

GRADUATE DEGREE CANDIDACY

Advancement to graduate degree candidacy means that the department is encouraging the student to complete his or her degree. The student’s program is planned at this time, and the student is assured protection against subsequent program changes.

Advancement to Graduate Degree Candidacy requires the following steps:

- completion of at least 15 graded credits in a degree program;
- maintenance of at least a cumulative GPA ≥3.0 in all courses since admission to Graduate Programs;
- submission of the application for degree candidacy form to the Graduate Programs office, specifying a degree study program approved by the major department. At the student’s option, the program may be based on either current catalog requirements or the catalog in effect at the time of admission. The form must be submitted before the student has completed one-half the minimum credits unless program requirements allow submission after the mid-point of the student’s program. All applications for graduate degree candidacy must be submitted no later than the second Friday of the quarter before anticipated graduation unless special permission is granted by the vice provost for Academic Planning, Graduate Programs, Grants and Institutional Research;
- completion of any specific departmental requirements;
- approval of the vice provost for Academic Planning, Graduate Programs, Grants and Institutional Research or designee.

GRADUATE DEGREE COMMITTEES AND FINAL COMPREHENSIVE EXAMS

After a student has advanced to degree candidacy, a committee is appointed to arrange, conduct and appraise the comprehensive examination. Satisfactory completion of the comprehensive exam is required to graduate.

Graduate degree committees are normally comprised of three members, one acting as the chair. The chair of the graduate committee is a faculty member from the student’s specialization. Another member is chosen to represent the broader academic aspects of the candidate’s program. The third member is a representative of the Graduate Affairs Council, which governs graduate policies and programs. The council representative is selected from a department outside the student’s primary academic area and is appointed to the committee by the vice provost for Graduate Education and Research. (See the approved departmental comprehensive exams third member policy that follows this section of the catalog.) When necessary to represent all the areas of a student’s preparation, the vice provost may authorize additional members.

After the committee is confirmed, the candidate and faculty members are officially notified of the committee membership by the Graduate Programs office. The candidate must confer with his or her chair regarding the date of the comprehensive examination. It may be scheduled any time after submission to the Graduate Programs office of the terminal research approval form. This form is signed by the student’s chair and internal member to indicate their approval for the examination to be held. The Graduate Programs office must be notified of the scheduled examination at least 10 working days prior to the examination date. Except in the case of a written examination, all comprehensive exams are open to the public and must be announced to the student’s academic unit(s) at least one week prior to the exam.

The examination is conducted by the chair of the committee, and questions are based upon the candidate’s research and/or areas of study. The examination is approximately two hours. The committee members then determine, by majority vote, whether the candidate is successful, unsuccessful or not yet qualified. The official report of the committee’s decision must be returned to the Graduate Programs office for inclusion in the student’s permanent records and to use for degree checkout.

Note: A comprehensive examination cannot be scheduled for any student who has an X grade in any course in his/her degree program, current course work excepted. Student and faculty signatures on the terminal research approval form are verification that there are no X grades. Students who successfully complete their comprehensive examinations must meet any outstanding degree requirements within one quarter of their exams or be assessed a late completion fee equal to the cost of one-half of one resident graduate credit for purposes of degree checkout and degree posting. Post-examination internships required for degree completion are excluded. If the student does not complete by the end of one term, the late completion fee will be assessed for each term the course work is incomplete.

GRADUATION APPLICATION

Application for completion of the graduate degree must be filed with the Graduate Programs office no later than the second Friday of the quarter prior to expected graduation. Students on a semester calendar must apply no later than five months before the last day of the semester of expected program completion. Early application is encouraged. A diploma fee is required. Fees change annually; check with the Graduate Programs office. Late applications are subject to a fee. Applications received after the deadline may delay posting of the degree on official university transcripts and mailing of the diploma.

Note: only students who have completed all degree requirements during the current academic year, or who have applied to graduate by the deadline for summer of the current academic year will be included in the commencement program.
GRADUATION GRADE POINT AVERAGE
The graduation GPA includes credits and grade points earned at Eastern and transfer credits and grade points accepted by Eastern. This grade point is used for determining graduation eligibility. The transfer GPA does not appear on an EWU transcript. University academic honors (cum laude, magna cum laude, summa cum laude) are not awarded to graduate students based on GPA.

MULTIPLE GRADUATE DEGREES AND PROGRAMS
Students who have finished one graduate degree may be awarded another graduate degree when they have finished the requirements for the second degree as set forth in the graduate catalog. Students may also pursue and be enrolled in two programs simultaneously.

Students must meet all the requirements of the second degree, including course work, tests, thesis, foreign language, experience, age of credits, departmental recommendations and other requirements as specified. Students may apply a maximum of 12 department/program credits from one graduate degree or degree program to a second or additional graduate degree. (This does not apply to dual-degree programs.)

MAXIMUM ATTEMPTED CREDITS
Graduate students are expected to make efficient progress toward their degree. Those found to have attempted credits on their record at or above 150% of the minimum number of credits required for their program, excluding independent study, thesis or research project courses, will be prevented from registering until they have met with their academic advisor, established a revised plan for program completion and specified a new graduation term. This plan must be submitted with the written support of the student’s academic advisor and approved by the vice provost for Academic Planning, Graduate Programs, Grants and Institutional Research in order for the student to register.

PREVIOUS GRADUATE CREDIT
Students may include in a graduate degree program a maximum of 12 quarter credits or nine semester credits completed before admission to graduate studies. These credits must be from an accredited university, approved by the department for inclusion in a degree program, no more than six years old at the time of program completion and not part of an undergraduate degree. Any exception to this policy must be approved by the Academic Appeals Board. Appeals are made in writing by the student and must be accompanied by the written support of a program advisor or director. These appeals are submitted to the board through the Graduate Programs office.

PROBATION POLICY
- Graduate students must maintain a GPA ≥3.0 in all courses taken since admission to graduate studies at EWU.
- Students are notified by letter if they have fallen below the 3.0 minimum.
- One term is allowed to restore the cumulative GPA to ≥3.0.
- Faculty of the department offering the degree may extend the probationary period by one term, when warranted by special circumstances.
- Students on probation may not be advanced to candidacy or schedule their comprehensive exams.
- Students unable to restore their cumulative GPA to ≥3.0 in the additional quarter of probation shall be terminated from the program.
- Individual departments/programs may have requirements that are more restrictive. Such requirements supersede those stated here.
- Students who have been academically dismissed from a graduate program may reapply for admission. In addition to the application for readmission to graduate studies and meeting all admission requirements specified by the program, applicants who have been dismissed must also submit a written petition to the program stating their readiness to pursue the degree and addressing the circumstances that led to dismissal. Applicants who are then readmitted will be allowed to register for one term only. At the end of the initial term, continuation is contingent upon recommendation from the program and the approval of the vice provost for Academic Planning, Graduate Programs, Grants and Institutional Research. Students who have been readmitted will have up to two terms to return to good academic standing with a cumulative graduate GPA ≥3.0. Extensions of probationary status may be approved on the written recommendation of the program and with the approval of the vice provost for Academic Planning, Graduate Programs, Grants and Institutional Research. Students who are not recommended for continuation are not eligible for one year to reapply for admission to graduate studies.
RESIDENCY REQUIREMENT (AT EWU)
Three-fourths of the minimum credits required for the specific degree program must be earned in approved courses offered by EWU. The remaining credits may consist of approved credits from other accredited institutions. (For information about establishing residency in Washington for tuition purposes, see the policy section of this catalog for state of Washington residency.)

THESIS, RESEARCH REPORT OR OTHER TERMINAL DOCUMENT REQUIREMENTS
Completion of a thesis or research report is required by most graduate programs. Research reports are submitted to the department in whatever form, style and number the department requires. Instructions on form and style requirements for a master’s thesis are available from the Graduate Programs office and from our website at www.ewu.edu/grad. When a student is submitting a thesis, research report or other terminal document, either the document or an abstract must be provided to the committee members at least two weeks in advance of the final comprehensive examination. Any required changes are to be completed for final approval by the committee within 10 working days of the examination, or the end of the term, whichever comes first.

Four approved copies of the thesis must be presented to the Graduate Programs office within 10 working days of the oral examination, or by the end of the term, whichever comes first. By that time, a $63 binding fee must be paid. Thesis students must also submit a digital copy of their thesis in both MS Word format and PDF format (Computer Science students may use LaTeX) to gradthesis@ewu.edu. In addition, thesis students must submit a signed copy of the Graduate Thesis Submission Form (available at www.ewu.edu/grad) along with their thesis copies.

Note: The university has policies and procedures in place to ensure that individuals conducting research, including graduate students, comply with applicable federal and state regulations governing the use of human subjects, the care and use of animals, significant financial interest disclosure, scientific misconduct, intellectual property and copyrights. If the student’s research is affected by any of the above, he or she may be required to obtain university approval prior to initiating the research. Further information and application materials are available from the Office of Grants and Research Development, 210 Showalter Hall. Also see the Regulations for Research section of this catalog.

Y GRADES FOR THESIS, RESEARCH REPORT AND OTHER COURSES REQUIRING MORE THAN A SINGLE QUARTER TO COMPLETE
Students are expected to enroll for an appropriate number of research credits each term they use university resources such as faculty time, laboratories and the library. The Y grade may be used to defer assigning of a grade until the project is completed. The Y grade is not to be used in lieu of an incomplete. A specified maximum number of Y graded credits are allowed by each program.

Y Grade Maximums

<table>
<thead>
<tr>
<th>Department</th>
<th>Courses</th>
<th>Maximum Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Art</td>
<td>600, 601, 696</td>
<td>15 credits</td>
</tr>
<tr>
<td>Biology</td>
<td>30 credit maximum for any course for which a Y grade is assigned.</td>
<td></td>
</tr>
<tr>
<td>Business</td>
<td>12 credit maximum in any course for which a Y grade is assigned.</td>
<td></td>
</tr>
<tr>
<td>College Instruction</td>
<td>600, 601, 696</td>
<td>9 credits, 6 credits, 15 credits</td>
</tr>
<tr>
<td>Communication Disorders</td>
<td>600</td>
<td>10 credits</td>
</tr>
<tr>
<td>Communication Studies</td>
<td>600, 601</td>
<td>6 credits</td>
</tr>
<tr>
<td>Computer Science</td>
<td>600, 601</td>
<td>15 credits</td>
</tr>
<tr>
<td>Creative Writing</td>
<td>600</td>
<td>12 credits</td>
</tr>
<tr>
<td>Dental Hygiene</td>
<td>600</td>
<td>25 credits</td>
</tr>
<tr>
<td>Education</td>
<td>563, 588, 600, 601, 695</td>
<td>4 credits, 6 credits, 25 credits</td>
</tr>
<tr>
<td>English</td>
<td>14 credit maximum for any course for which a Y grade is assigned.</td>
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</tr>
<tr>
<td>Engineering and Design</td>
<td>5 credit maximum in any course for which a Y grade is assigned.</td>
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<tr>
<td>History</td>
<td>600, 601</td>
<td>15 credits</td>
</tr>
<tr>
<td>Mathematics</td>
<td>600, 601</td>
<td>12 credits</td>
</tr>
<tr>
<td>Modern Languages (French)</td>
<td>499, 599</td>
<td>5 credits, 5 credits</td>
</tr>
<tr>
<td>Music</td>
<td>10 credit maximum for any course for which a Y grade is assigned.</td>
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<tr>
<td>Physical Education</td>
<td>9 credit maximum for any course for which a Y grade is assigned.</td>
<td></td>
</tr>
<tr>
<td>Psychology</td>
<td>9 credit maximum for any course for which a Y grade is assigned.</td>
<td></td>
</tr>
<tr>
<td>Public Administration</td>
<td>600, 601, 602</td>
<td>8 credits, 2 credits, 2 credits</td>
</tr>
<tr>
<td>Social Work</td>
<td>Maximum is the number of credits for the course. Students cannot re-register for a course in which a Y grade is received.</td>
<td></td>
</tr>
<tr>
<td>Urban and Regional Planning</td>
<td>601, 695</td>
<td>10 credits</td>
</tr>
<tr>
<td>Program</td>
<td>Third Member Policy</td>
<td></td>
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<tr>
<td>---------------------------------</td>
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<td></td>
</tr>
<tr>
<td>Biology</td>
<td>Third member for the oral comprehensive exam is selected by the Graduate Programs office.</td>
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</tr>
<tr>
<td>Business Administration</td>
<td>Elective option—portfolio presentation. The third member is selected by the Graduate Programs office and the times are arranged by the MBA committee chair. Research report/thesis option. The third member for the oral comprehensive exam is selected by the Graduate Programs office.</td>
<td></td>
</tr>
<tr>
<td>Communication Disorders</td>
<td>Third member for the oral comprehensive exam is selected by the Graduate Programs office.</td>
<td></td>
</tr>
<tr>
<td>Communications</td>
<td>Third member for the oral comprehensive exam is selected by the Graduate Programs office.</td>
<td></td>
</tr>
<tr>
<td>Computer Science</td>
<td>Third member for the oral comprehensive exam may be chosen by the Computer Science Department or by the Graduate Programs office. Students must be registered the quarter they take their final oral exams. If the department selects the third member, notification of the third member should be made at the beginning of the term prior to the comprehensive exam (preferably at the time of candidacy).</td>
<td></td>
</tr>
<tr>
<td>Education</td>
<td>Third member for the oral comprehensive exam may be selected by the student. Students who are unable to select their third members must notify the Graduate Programs office at least one term in advance of the comprehensive exam (preferably at the time of candidacy). The Graduate Programs office is then responsible for selecting the third member. Oral comprehensive examination for special education. Third member may be selected by the student or by the Graduate Programs office. Students who select their third members must provide the Graduate Programs office with the third members' names at the beginning of the term prior to the term in which their exams are conducted (preferably at the time of candidacy).</td>
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<tr>
<td>English</td>
<td>Third member for the oral comprehensive exam is selected by the Graduate Programs office.</td>
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<tr>
<td>History</td>
<td>Third member for the oral comprehensive exam is selected by the Graduate Programs office.</td>
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</tr>
<tr>
<td>Interdisciplinary</td>
<td>Third member for the oral comprehensive exam is selected by the Graduate Programs office.</td>
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<tr>
<td>Music</td>
<td>Third member for the oral comprehensive exam is selected by the Graduate Programs office.</td>
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</tr>
<tr>
<td>Occupational Therapy</td>
<td>The final comprehensive examination must be successfully completed before enrollment in OCTH 695 Fieldwork that begins in the final year of the program. Third member for the oral comprehensive exam is selected by the Graduate Programs office.</td>
<td></td>
</tr>
<tr>
<td>Physical Education</td>
<td>Written comprehensive examination with review by the vice provost for Academic Planning, Graduate Programs, Grants and Institutional Research, in final term of didactic work, prior to commencing full-time clinical internships. At least one graduate faculty member selected by the Graduate Programs office will attend the annual research project presentations.</td>
<td></td>
</tr>
<tr>
<td>Psychological Therapy</td>
<td>Written comprehensive examination for Mental Health Counseling and School Counseling reviewed by the vice provost for Academic Planning, Graduate Programs, Grants, and Institutional Research, and a portfolio presentation to an advisory board and a graduate faculty member selected by the Graduate Programs office, conducted early in spring term of final year. All School Psychology Program candidates will complete a two-phase program exit process: (a) thesis/research project defense and (b) defense of program. The defense/thesis defense is expected to occur prior to the internship experience, typically by spring term of the second year of enrollment. The defense of program is expected to occur in the final term of the candidate’s enrollment in the program, typically spring term of the third year.</td>
<td></td>
</tr>
<tr>
<td>Public Administration</td>
<td>Third member for the oral comprehensive exam is selected by the Graduate Programs office.</td>
<td></td>
</tr>
<tr>
<td>Social Work</td>
<td>Third member for the oral comprehensive exam may be selected by the student or by the Graduate Programs office. Students who select their third members must provide the Graduate Programs office with their third member’s name at the beginning of the term prior to the term in which their exams are conducted (preferably at the time of candidacy).</td>
<td></td>
</tr>
<tr>
<td>Urban Planning</td>
<td>Third member for the oral comprehensive exam may be selected by the student or by the Graduate Programs office. Students who select their third members must provide the Graduate Programs office with the third member’s name at the beginning of the term prior to the term in which their exams are conducted (preferably at the time of candidacy).</td>
<td></td>
</tr>
<tr>
<td>Procedure</td>
<td>Action</td>
<td>Deadline</td>
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<tr>
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</tr>
<tr>
<td>Apply for candidacy and select graduate faculty committee members.*</td>
<td>Student approaches advisor to formalize graduate program plan, discuss second committee member, and determine if Human Subject (IRB) must be filed. Program approval for candidacy indicated by student and two graduate program faculty signatures on candidacy form. Form then submitted to Graduate Programs Office for review.</td>
<td>After completion of 15 graduate credits and before completing one-half the minimum credits in degree program. In all cases application must be submitted by the second Friday of the quarter prior to intended graduation.</td>
</tr>
<tr>
<td>Submit Graduation Application and fee*</td>
<td>Apply to graduate online through EagleNET. Log in to EagleNET, click on the Student tab, and then click on Student Records.</td>
<td>Second Friday of the quarter prior to intended graduation (earlier is recommended.)</td>
</tr>
<tr>
<td>Select outside member for comprehensive examination*</td>
<td>Review Approved Third Member policy in catalog; Graduate Programs Office selects from approved graduate faculty unless otherwise specified by department policy.</td>
<td>Graduate Programs Office notifies students at the beginning of the quarter of intended graduation (the quarter entered on the candidacy) unless student has already identified a member of the graduate faculty as the third.</td>
</tr>
<tr>
<td>Submit Terminal Research Approval form</td>
<td>Committee chair and second committee member sign form and submit to Graduate Programs Office.</td>
<td>Must be received in Graduate Programs Office at least two weeks prior to exam, earlier is recommended. Exam schedule may be submitted on this form.</td>
</tr>
<tr>
<td>Schedule comprehensive examination</td>
<td>Student arranges date, time and location agreed to by all committee members and then notifies Graduate Programs Office.</td>
<td>Graduate Programs Office must be notified two weeks prior to scheduled date and after receipt of Terminal Research Approval Form.</td>
</tr>
<tr>
<td>Provide approved Thesis, Research Report or other terminal document draft</td>
<td>Student provides a copy to all comprehensive examination committee members.</td>
<td>Two weeks prior to examination each committee member must have a copy of the document.</td>
</tr>
<tr>
<td>Complete Comprehensive Examination</td>
<td>Committee Chair, or other designated participant in exam submits form to Graduate Programs Office.</td>
<td>Original comprehensive exam report form due in Graduate Programs office immediately following exam.</td>
</tr>
<tr>
<td>Thesis students only—Submit four copies on 100% cotton bond paper and the $63 thesis binding fee, also submit one electronic copy as a Microsoft Word *.docx file (Computer Science students may submit LaTeX version of thesis)</td>
<td>Graduate Programs Office must receive the following: original comprehensive exam report form.</td>
<td>Original comprehensive exam report form due in Graduate Programs office immediately following exam.</td>
</tr>
<tr>
<td>Attend Commencement</td>
<td>Verify completion of application for graduation; order cap, gown, and hood four weeks prior to graduation from EWU bookstore.</td>
<td>All participants in June Commencement must meet posted spring graduation application deadline to be included in bulletin.</td>
</tr>
</tbody>
</table>

*Contact program advisor about any changes to candidacy or committee. All required forms and guidelines can be found at www.ewu.edu/grad.
Tell me and I forget, teach me and I may remember, involve me and I learn.
Benjamin Franklin (1657–1719)
COURSE LIST
CSCD 488
CSCD 490
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CSCD 505
CSCD 506
CSCD 524
CSCD 525
CSCD 533
CSCD 538
CSCD 539
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CSCD 543
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CSCD 567
CSCD 570
CSCD 575
CSCD 580
CSCD 587
CSCD 595
CSCD 596
CSCD 597
CSCD 598
CSCD 599
CSCD 600
CSCD 601
CSCD 602
CSCD 695

Senior Project (4)
Senior Capstone (4)
Internship (1–10)
Experimental (1–5)
Workshops, Short Courses . . . (1–5)
Seminar (1–5)
Directed Study (1–5)
Colloquium in Computer Science (1)
Advanced Algorithms (5)
Cryptography (4)
Research Methods in Computer . . . (5)
Advanced Software Engineering (5)
Advanced Database Management . . . (5)
Computer Networks (4)
Topics in Computer Hardware (4)
Topics in Computer Science (4)
Advanced Operating Systems (5)
Distributed Multiprocessing (4)
Time-Critical Networking (4)
Concurrent Systems (4)
Photo-Realistic Computer Graphics (4)
Computer Systems Design (4)
Intelligent Systems (4)
Human-Computer Interface (4)
Professional Internship (2–16)
Experimental Course (2–5)
Workshops (1–5)
Seminar (1–5)
Independent Study (1–6)
Thesis (2–16)
Research Report (2–16)
Industry Project (2–4)
Departmental Internship (2–12)

(CTED ) Career and Technical Education
CTED 300
CTED 301
CTED 309
CTED 341
CTED 399
CTED 470
CTED 474
CTED 499

Introduction to Career and Tech . . . (4)
Philosophy of Career and Tech (4)
CTE Classroom Management (4)
CTE Secondary Strategies (4)
Directed Study (1–5)
Coordination Techniques (3)
Administration of Career and . . . (4)
Directed Study (1–5)

(DESN ) Design
DESN 100
DESN 216
DESN 243
DESN 259
DESN 263
DESN 275
DESN 300
DESN 325
DESN 345
DESN 350
DESN 351
DESN 355
DESN 360
DESN 363
DESN 366
DESN 368
DESN 373
DESN 374
DESN 375
DESN 378
DESN 385
DESN 463
DESN 468
DESN 471
DESN 474
DESN 480
DESN 490
DESN 491
DESN 493
DESN 495
DESN 496
DESN 497
DESN 498
DESN 499

Drawing for Communication (5)
Digital Foundations (4)
Typography (4)
History of Design (4)
Visual Communication Design 1 (5)
Digital Sound (4)
Visual Literacy (5)
Emergent Design (4)
Technical Illustration (4)
Digital Imaging and Photography (4)
Advanced Photography (4)
Motion Design (4)
Publication Design (4)
Visual Communication Design 2 (5)
Prepress Production (4)
Web Design 1(4)
Introduction to Multimedia Design (4)
Brand Thinking and Service Design (4)
Digital Video (4)
Web Design 2 (4)
Advanced Digital Sound (4)
Visual Communication Design 3 (5)
Web Lab (4)
Senior Exhibition (1)
Advertising Concepts (4)
Professional Practice (4)
Senior Capstone (4)
Senior Project (1–10)
Portfolio (2)
Internship (2–6)
Experimental (1–6)
Workshops, Short Courses . . . (1–6)
Seminar (1–6)
Directed Study (1–6)

(DNHY ) Dental Hygiene
DNHY 300
DNHY 301
DNHY 302
DNHY 310

Head and Neck Anatomy (3)
Dental Anatomy (3)
Histology/Embryology (3)
Radiography (3)

DNHY 311 Radiography (2)
DNHY 320 Pharmacology for the Dental . . . (3)
DNHY 321 Pain Control (3)
DNHY 330 Pre-Clinical Dental Hygiene I (4)
DNHY 331 Pre-Clinical Dental Hygiene II (5)
DNHY 332 Pre-Clinical Dental Hygiene III (4)
DNHY 341 Management of the Medically . . . (3)
DNHY 350 Clinical Dental Hygiene I (4)
DNHY 351 Clinical Dental Hygiene II (5)
DNHY 352 Clinical Dental Hygiene III (5)
DNHY 360 Preventive Dentistry (2)
DNHY 380 Introduction to Restorative Dentistry (5)
DNHY 381 Principles of Restorative Dentistry (3)
DNHY 421 Periodontology I (3)
DNHY 422 Periodontology II (2)
DNHY 423 Perio Track (2)
DNHY 430 Oral and General Pathology (3)
DNHY 450 Clinical Dental Hygiene IV (3)
DNHY 451 Clinical Dental Hygiene V (5)
DNHY 452 Clinical Dental Hygiene VI (5)
DNHY 453 Clinical Dental Hygiene VII (5)
DNHY 460 Community Dental Health I (2)
DNHY 461 Community Dental Health II (2)
DNHY 467 Career Strategies (1)
DNHY 470 Research Methods (3)
DNHY 475 Teaching Practicum I (1)
DNHY 476 Teaching Practicum II (1)
DNHY 477 Teaching Practicum III (1)
DNHY 480 Restorative Clinic I (3)
DNHY 481 Restorative Clinic II, (2)
DNHY 482 Restorative Clinic III (2)
DNHY 485 Oral Health Promotion (5)
DNHY 486 Contemporary Issues in Dental . . . e (5)
DNHY 487 Principles and Policies of Oral . . . (5)
DNHY 490 Dental Hygiene Capstone (4)
DNHY 490A Dental Hygiene Degree . . . (4)
DNHY 491 Foundations of Dental Hygiene . . . (5)
DNHY 492 Dental Hygiene Education Practi . . . (5)
DNHY 493 Dental Hygiene Education Practi . . . (4)
DNHY 501 Advanced Dental Hygiene . . . (2)
DNHY 505 Healthcare Leadership (5)
DNHY 520 Translational Research (3)
DNHY 525 Theoretical Foundations of . . . (5)
DNHY 530 Advanced Dental Hygiene . . . (5)
DNHY 600 Thesis (1–3)
DNHY 605 Components of Program . . . (5)
DNHY 610 Educational Methodology (3)
DNHY 615 Advanced Educational Theory . . . (5)
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**COURSE LIST**

**RCLS** Recreational and Leisure Service
- RCLS 125 Recreation and Leisure Services (1)
- RCLS 201 Recreation and Leisure in (3)
- RCLS 206 Wilderness Backpacking (3)
- RCLS 220 Leadership in Recreation (3)
- RCLS 240 Facilitating Aquatic Adventures (3)
- RCLS 230 Whitewater Kayaking (2)
- RCLS 240 Overview of Therapeutic (4)
- RCLS 245 Therapeutic Recreation for (3)
- RCLS 250 Administration and Lead (3)
- RCLS 260 Arts in Recreation (3)
- RCLS 300 Promotion and Publicity in Rec (4)
- RCLS 305 Winter Camping (3)
- RCLS 307 Mountain (4)
- RCLS 310 Outdoor Recreation (3)
- RCLS 313 Wilderness Recreation Management (3)
- RCLS 315 Wilderness Survival (3)
- RCLS 321 Challenge Course Low Element (3)
- RCLS 325 Outdoor Adventure Programming (3)
- RCLS 330 Intermediate Whitewater Kayaking (2)
- RCLS 340 Aquatic Facilities Management (3)
- RCLS 349 Intramural Sport Management (3)
- RCLS 350 Recreation Practicum (5)
- RCLS 351 Field Practicum (1–15)
- RCLS 352 Challenge Course Technical Skills (3)
- RCLS 353 Challenge Course Advanced (3)
- RCLS 360 Facility Planning and (3)
- RCLS 365 Skiing for the Handicapped (2)
- RCLS 370 Outdoor Recreation Aquatic (3)
- RCLS 372 Intermediate Whitewater (3)
- RCLS 385 Programming in Recreation and (3)
- RCLS 395 Internship (CEL) (1–15)
- RCLS 400 Legal Foundations in (4)
- RCLS 403 Wilderness Upgrade for Medical (4)
- RCLS 410 Outdoor Leadership (4)
- RCLS 415 Search and Rescue Management (4)
- RCLS 420 Program Planning . . . (4–5)
- RCLS 425 Evaluation, Research and Stat (4)
- RCLS 435 Employment Processes in Rec . . (2)
- RCLS 440 Professional Issues in . . (4)
- RCLS 445 Processes and Techniques in . (4)
- RCLS 450 Assessment Techniques in . .
- RCLS 455 Resort and Commercial . . (3)
- RCLS 460 Supervision of Therapeutic . . (4)
- RCLS 465 Travel and Tourism (4)
- RCLS 470 Administration, Organization . (4)
- RCLS 475 Challenge Course Management (3)
- RCLS 480 Budgeting in Recreation and . (4)
- RCLS 490 Senior Capstone in Recreation (4)
- RCLS 495 Therapeutic Recreation Pro . . (12)
- RCLS 494 Outdoor Recreation Pro . . (12)
- RCLS 495 Recreation Management . . (12)
- RCLS 496 Experimental Course (1–15)
- RCLS 497 Workshops, Short Courses . . (1–5)
- RCLS 498 Seminar (1–5)
- RCLS 499 Directed Study (1–15)

**RCST** Race and Culture Studies
- RCST 101 An Introduction to the Study of . . (5)
- RCST 202 Race, Privilege and Power (5)
- RCST 304 Liberal and Social Change (5)
- RCST 330 Researching Race and Culture (5)
- RCST 430 Research Methodologies in Race . (5)
- RCST 490 Senior Capstone in Race and . (5)
- RCST 491 Senior Thesis in Race and . . . (5)

**RIDE** Dentistry
- RIDE 505 Human Physiology I (4)
- RIDE 506 Human Physiology II (4)
- RIDE 510 Social and Historical . . (2)
- RIDE 513 Communications Skills I–Techniques (1)
- RIDE 514 Communications Skills II– . . (1)
- RIDE 515 Communications Skills III– . . (1)
- RIDE 516 Physical Examination I (1)
- RIDE 517 Physical Examination II (2)
- RIDE 519 Medical Microbiology and . .
- RIDE 520 Dental Materials Science (3)
- RIDE 521 Applied Dental Materials (3)
- RIDE 530 Anatomy and Embryology for . . (13)

**RIDM** Introduction to Neuroanatomy (2)
- RIDE 540 Development, Structure and . . (3, 3)
- RIDE 541 Muscle Anatomy (11)
- RIDE 542 Molecular Microbiology and . . (2)
- RIDE 544 General and Systematic Pathology (5)
- RIDE 554 Clinical Dentistry (1)
- RIDE 555 Dental Anatomy (1)
- RIDE 556 Introduction to Occlusion (3)
- RIDE 557 Functional Analysis of Occlusion (3)
- RIDE 558 Operative Dentistry (1)
- RIDE 559 Oral Anesthesia (1)
- RIDE 567 Introduction to Periodontics (2)
- RIDE 590 Medical Information for . . (1)
- RIDE 610 Introduction to Clinical Dentistry (2)

**SCED** Secondary Science Teaching
- SCED 390 Secondary Science Teaching Methods (1)

**SOCI** Sociology
- SOCI 101 Introduction to Sociology (5)
- SOCI 263 Social Problems (5)
- SOCI 290 Introduction to Student Services (2)
- SOCI 299 Special Studies and Programs (1–5)
- SOCI 301 Criminology (5)
- SOCI 320 Race and Ethnic Relations . . (5)
- SOCI 321 Sex and Gender (5)
- SOCI 351 Classical Sociological Theory (5)
- SOCI 351 Social Stratification (5)
- SOCI 357 A Methodology for Social Research (5)
- SOCI 362 Sociology of Politics (5)
- SOCI 363 Sociology of Deviance (5)
- SOCI 370 Social Psychology (5)
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- SOCI 399 Special Studies and Programs (1–5)
- SOCI 452 Juvenile Delinquency (5)
- SOCI 455 Criminological Theory (5)
- SOCI 459 Sociology of Community . . (5)
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- SOCI 472 Sociology of Religion (5)
- SOCI 481 Social Psychology (5)
- SOCI 482 Identity and Power (5)
- SOCI 483 Sociology of Children (5)
- SOCI 485 Sociology of Revolution (5)
- SOCI 486 Contemporary World Systems (5)
- SOCI 489 Doing Sociology (5)
- SOCI 490 Senior Capstone: Sociological . . (5)
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- SOCI 495 Internship (1–5)
- SOCI 499 Workshop Courses . . (1–5)
- SOCI 498 Seminar (1–5)
- SOCI 499 Directed Study (1–5)

**SOST** Social Studies
- SOST 390 Social Studies in the Secondary . . (4)
- SOST 490 Senior Capstone: Social Studies . .
- SOST 497 Social Studies Workshops (1–5)
- SOST 498 Seminar (1–5)
- SOST 499 Directed Study (1–5)

**SOWK** Social Work
- SOWK 271 Introduction to Social Work (5)
- SOWK 320 The African American Family (5)
- SOWK 377 Alternatives to Domestic Violence (2)
- SOWK 378 Human Behavior in the Social . (4)
- SOWK 379 Human Behavior in the Social . . (4)
- SOWK 581 Diversity and Social Work Practice (4)
- SOWK 395 Experiential Learning (elective) (1–15)
- SOWK 399 Special Studies and . . (1–15)
- SOWK 420 Conflict Management . . (4)
- SOWK 421 Social Work Practice . . (2–4)
- SOWK 422 Spirituality and Social Work . . (2–4)
- SOWK 424 International Social Work (4)
- SOWK 425 Special Problems Family Violence (4)
- SOWK 437 Indian Child Welfare (4)
- SOWK 445 Behavioral and Cognitive . . (4)

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ADDITION STUDIES  College of Social & Behavioral Sciences and Social Work

Grace Creasman, Director
501 N. Riverpoint Blvd., #425
509.359.2356

Jenna Redhawk, Program Coordinator
509.359.2265

ADDITIONAL REQUIREMENTS FOR THE MINOR

Students who are not currently working in a treatment agency may
seek Interdisciplinary Studies for more information or contact Addiction Studies.

The Addiction Studies Graduate Certificate is designed for persons who have
completed a bachelor or master's degree with a background in social
work or a related field who are interested in obtaining coursework leading to
certification as a Chemical Dependency Professional in Washington state.
Students without a background in social work, or related field, may
need to complete additional coursework to qualify for Washington state
certification. State certification as a Chemical Dependency Professional
in Washington also requires: 1500 hours in a state approved treatment
tagency and passing the NAADAC exam. After completing all courses
for state certification students are eligible to take the NAADAC exam.
Contact ADST for more information.

Students from other states may need to check with their local certification
boards to be sure this program will meet their state requirements.
In an effort to accommodate students from across Washington state or
other states all courses are taught online. Addiction Studies faculty and
staff are available for personal academic advising for prospective and
current student needs.

A practicum option is available for students but is not required for the
certificate.

Optional Practicum
ADST 595 Alcohol/Drug Practicum I (2)
ADST 695 Alcohol/Drug Practicum II (2)

Students who are not currently working in a treatment agency may
benefit from the practicum experience. Practicum hours may count toward
Washington state certification required hours.
Admission Requirements
Completion of a bachelor’s or master’s degree with a cumulative GPA ≥ 3.0.

Prerequisite
Students pursuing Washington state certification as Chemical Dependency Professionals may need to take additional coursework to qualify. Washington state requires students to have 45 quarter or 90 semester credits in addiction related coursework to cover required competencies. ADST provides the bulk of those competencies in the Graduate Certificate as many times students have taken other courses to cover the additional requirements.

Additional requirements include
ADST 303 HIV/AIDS (2)
ADST 440 Group Counseling (5)
ADST 502 Counseling Theories for Addiction Professionals (2)
Coursework in Human Development
Note: student transcripts are evaluated to determine if these additional course competencies are covered in previous coursework.

Program Requirements
Meet Graduate Studies admission requirements
www.ewu.edu/Grad/Application-Procedures
Consult with ADST director or advisor to discuss program requirements.
Contact Addiction Studies at 509.359.2250 for further information or visit our web site at www.ewu.edu/adst.

Required Courses
Meet Graduate Studies admission requirements
www.ewu.edu/Grad/Application-Procedures
Consult with ADST director or advisor to discuss program requirements.
Contact Addiction Studies at 509.359.2250 for further information or visit our web site at www.ewu.edu/adst.

ADST 500 Relapse Prevention (2)
ADST 504 Adolescent Addiction Assessment and Treatment (4)
ADST 512 Pharmacological Actions of Alcohol and Other Drugs (4)
ADST 520 Case Management (4)
ADST 530 Addiction Treatment with Families and Diverse Populations (4)
ADST 535 Law and Ethics for Addiction Professionals (4)
ADST 542 Screening and Assessment of Co-Occurring Disorders (4)
ADST 544 Treating Co-Occurring Disorders (4)

Total credits for above graduate certificate 30 credits

Additional requirements necessary for state certification as a Chemical Dependency Professional
Hours in a state approved treatment agency (1500 for state certification, 2000 for BA degree)
Group Counseling
Counseling Theories and HIV/AIDS Brief Risk Intervention
Passing a National Examination NAADAC Level I or II or the IC&RC

Addiction Studies Courses

Terms offered: fall, winter, spring, summer (FWSU).
If no terms are indicated, check with the department or EagleNET.

ADST 300 Survey of Alcohol/Drug Problems (4) FWSU
Students will learn international and current definitions of alcohol and drug use, abuse and addiction. Recognition of misuse as a social problem and the evolution of social policy and attitudes. Socio-cultural and cross-cultural aspects of chemical dependency, including vulnerable populations—women, youth, elderly and ethnic-cultural groups. Identification and progression of symptoms and disease including the impact on individuals, family and society. Special focus on addressing drug problems personally and professionally with an overview of contemporary treatment modalities.

ADST 302 Counseling Theories for the Addiction Professional (4) F
Students study the principal theories and techniques of therapeutic and counseling relationships with particular focus on those designed for or adept in addressing defense mechanisms and resistance characteristic of addiction.

ADST 303 HIV/AIDS and Addiction Treatment (2) FU
This course presents the study of the impact of air- and blood-borne pathogens and the role of the human service clinician. Students will review the theory and technique for effectively addressing issues of alcohol and drug use for the at-risk person and the issues of risk of exposure for the drug abusing individual. Physiology, epidemiology, risk assessment, legal/ethical issues and societal implications of HIV and other pathogens will be presented. This course is appropriate for students of any discipline but is approved by the DSHS/DASA for state chemical dependency counselor qualification.

ADST 304 Psychology of Addiction (5) W
This course develops knowledge and functional understanding of the psychology of addiction as supported by the most recent professional theories being presented to date. The concepts of the destructive behaviors associated with addictions of all types are explored. Some of the addictions to be reviewed will be chemicals, gambling, food, sex, relationship, work and exercise. This course will explore the ideas of causality and social implication in addictions. The history of addictions in our nation will be discussed. The various approaches to treatment, alternatives and social issues are investigated.

ADST 308 Cultural Issues in Addiction Treatment and Behavioral Health (4) FWU
Prerequisite: ENGL 101.
Satisfies: cultural and gender diversity university graduation requirement.
Students examine issues regarding the treatment of persons from different cultural and ethnic backgrounds—persons with disabilities (physical, cognitive), GLBTQ individuals, women and the elderly—by the mainstream culture of the U.S. in health care, addiction treatment, educational settings and other social venues.
ADST 350  Addiction Studies Practicum Seminar (1) FWS
Note:  Prerequisite:  ADST 300, ADST 302 and ADST 412 or permission of instructor.
This course is designed to prepare students to enter into the ADST practicum.  Students will make an application to practicum, obtain proper state-required paperwork and review practicum assignments.

ADST 385  Addiction Studies Practicum I (2)  Prerequisite: successful completion of or currently enrolled in ADST 350 or permission of instructor.
Students will obtain an opportunity to integrate and develop their knowledge and skills in an appropriate and relevant setting that will assist in their preparation as addiction treatment or prevention professionals.

ADST 399  Alcohol/Drug Special Studies (1–5)  FWS
Prerequisite: permission of the instructor, department chair and college dean.
The subjects vary relative to faculty and student interests.

ADST 410  Community Prevention Methods (4)  S
This course explores the role the media plays in prevention, such as media advocacy, media literacy, social marketing and social norms marketing. This course will also discuss the requirements for prevention credentialing in Washington state.

ADST 412  Physiology and Pharmacology of Addictions (4)  WF
Prerequisite: ADST 300 or permission of instructor.
This course covers information on the physical impact and the response of the human body to alcohol, psychoactive substances and addictive behaviors through the study of fundamentals of pharmacokinetics, neurological functions and current research findings. Concepts and terminology essential for working in a professional addiction treatment team and for communicating with patients and families are covered. There is special focus on effective intervention strategies for each class of drug and for working with a variety of addictive behaviors.

ADST 420  Alcohol/Drug Case Management (4)  FW
Prerequisite: completion of ADST 300 and ADST 302 or permission of the instructor.
This course is based on both theoretical and technical principles and skills addressed in ADST 302. Thorough review of approaches and philosophies of case management and its essential role in effectively addressing the complexity of multiple-issue recovery, including dual-diagnosis, gender and sexual orientation, issues, suicide and relapse. Includes established national and regional standards of care in treatment planning, record keeping and discharged and aftercare planning.

ADST 430  Addiction Treatment with Families (4)  FW
Prerequisite: ADST 300 or ADST 302.
This course examines the dynamics of family in relationship to chemical dependency and models of family counseling, including overviews of structural, strategic, transgenerational, growth-oriented, behavioral and solution-focused theories as applied to chemical dependency.

ADST 440  Alcohol/Drug Group Counseling (3)  FS
Students will review the theoretical foundations of group dynamics and therapy as applied to alcohol/drug treatment clientele. They will explore group design, leadership and applications of theory groups via a combination of lecture readings and experimental lab activities. Emphasis will be placed on learning to observe, understand and guide the group dynamics as they occur.

ADST 442  Screening and Assessment for Co-Occurring Disorders (4)  W
Prerequisite: ADST 300.
This course is designed to assist social work, mental health counseling students and chemical dependency professional trainees (students) in obtaining the skills needed to conduct an accurate substance abuse assessment/evaluation and to determine the appropriate level of treatment by understanding accepted criteria for diagnosis by understanding placement criteria (ASAM), utilizing assessment instruments, analyzing and interpreting data, documenting assessment findings and making appropriate treatment recommendations.

ADST 444  Treating Co-Occurring Disorders (4)  S
This class is designed to build a better understanding of the inherent complexities of co-occurring disorders (COD) and develop a variety of clinical skills necessary in the treatment of COD. We will explore the ethical and effective practice.

ADST 452  Creating Co-Occurring Disorders (4)
Motivational interviewing (MI) is an effective evidence-based approach to overcome the factors that keep people from making desired changes in their lives, even after seeking or being referred to professional treatment. The first half of this course reviews the conceptual and research background supporting MI and the Transtheoretical model-stages of change (SOC) and provides practice in implementing MI as developed in their approaches. The second half of this course will be an overview of dialectical behavioral therapy (DBT) and how it can be applied when working with chemically dependent clients. Each of the four skill modules will be covered. Students will also become familiar with techniques such as commitment strategies, diary cards and coaching.

ADST 452  Topics in Continuing Education (1)  graded Pass/Fail.
These courses are designed to teach behavioral health, chemical dependency, and healthcare providers with legal responsibilities for the assessment, management and care of consumers/patients.

ADST 460  Law and Ethics for Addiction Professionals (4)
Students will be exposed to fundamental and technical study of the law, policy, malpractice and liability regarding chemical dependency prevention and treatment practice. Strong focus will be on the contemporary issues of the field relative to current policy and the development of professional knowledge and skills that support ethical and effective practice.

ADST 462  Adolescent Addiction Assessment and Treatment (4)  W
Prerequisite: ADST 300 or ADST 302.
This course emphasizes the unique developmental stages of adolescence and the ways in which substance use/abuse/dependency harm the adolescent's well-being. The various methods used when providing interventions and treatment will be explored along with assessment requirements specified by the state. This course expands the issues of the family system as context for recovery using traditional resources and innovative approaches in adolescent chemical dependency treatments.

ADST 464  Relapse Prevention (2)  S
Relapse is not a single event but a process that takes place over time. This class will investigate that process by examining the principles and procedures of relapse prevention therapy. It will also focus on the developmental model of recovery to explore major causes of relapse in each stage of recovery. Another major focus of this class will be to address client relationship with family, employment, education, spirituality, health concerns and legal needs.

ADST 480  Where Suicide and Mental Health Meet (4)  F
Prerequisite: ADST 300.
Students explore the connection between mental health diagnosis and suicide risk. They analyze case exercises that include therapeutic interventions, intake, treatment planning, coordination of services and referral.

ADST 482  Suicide Assessment, Treatment and Management (4)  WU
Students will evaluate the theoretical foundation in the clinical treatment and management of suicidal risk over time through case management of suicidal persons. Students will compare and assess "evidenced-based" and "best practices" approaches for the treatment and case management of the suicidal person within their scope of practice. Through role play exercises that include therapeutic interventions, initial treatment planning, coordination of services and referral, students will demonstrate these intervention skills, including aftercare intervention (postvention) with families, to evaluate effectiveness.

ADST 484  Suicide Prevention (5)  F
Prerequisite: ADST 300.
Students examine a brief history of suicidal beliefs and explore present-day suicidal issues that are considered a public health problem. The goals, objectives and strategies of the Surgeon General’s National Strategy for Suicide Prevention and the public health model are discussed in an effort to provide students with tools to examine current programs, media literacy, barriers, treatment and research, and cultural and social factors of suicide prevention.

ADST 485  Addiction Studies Practicum II (2)  Prerequisite: ADST 350 or permission of instructor.
Students will build on experience and strengths developed in Practicum I to prepare them to work independently in the addiction or prevention field.

ADST 496  Experimental Course (1–5)

ADST 497  Workshop, Short Courses, Conferences (1–4)  FW
Subjects vary according to faculty and student interest.

ADST 499  Directed Study (1–4)  FW/SU
Prerequisite: permission of the instructor, department chair and college dean.
ADST 501 Relapse Prevention (2) 5
Relapse is not a single event but a process that takes place over time. This class will investigate that process by examining the principles and procedures of relapse prevention therapy. It will also focus on the developmental model of recovery to explore major causes of relapse in each stage of recovery. Another major focus of this class will be to address client relationship with family, employment, education, spirituality, health concerns and legal needs.

ADST 502 Counseling Theories for Addiction Professionals (2)
This course is intended to provide students with specific counseling theory information necessary to meet state requirements for Chemical Dependency Professional certification.

ADST 504 Adolescent Addiction Assessment and Treatment (4) 5
This course will emphasize the unique developmental stages of adolescence and the ways in which substance use/abuse/dependency harm the adolescent’s worldview. The various methods used when providing interventions and treatment will be explored along with assessment requirements specified by the state. This course will expand the issues of the family system as context for recovery using traditional resources and innovative approaches in adolescent chemical dependency treatments.

ADST 512 Pharmacological Actions of Alcohol and Other Drugs (4) 5
Students will review the physical impact and the response of the human body to alcohol and other drugs of abuse through study of the fundamentals of pharmacokinetics, neurologic functioning and current research findings. They will also learn concepts and terminology essential for working on a professional treatment team and for communicating with patients and families. There will be special focus on effective intervention strategies for each class of drug.

ADST 520 Case Management (4) FW
This course provides a thorough review of approaches and philosophies of case management and its essential role in effectively addressing the complexity of multiple-issue recovery, including: dual-diagnosis, gender and sexuality issues, suicide and relapse. Includes established national and regional standards of care in treatment planning, record keeping and discharged and aftercare planning.

ADST 530 Addiction Treatment with Families and Diverse Populations (4) 5
This course uses the Addiction Counseling Competencies to explore the complex issues of family in relation to addiction and models of family counseling. Additionally, this class will include information on diverse cultures, to incorporate the relevant needs of culturally diverse groups, as well as people with disabilities, into clinical practice.

ADST 535 Law and Ethics for Addiction Professionals (4) 5
Students will be exposed to fundamental and technical study of the law, policy, malpractice and liability regarding chemical dependency prevention and treatment practice. Strong focus will be on the contemporary issues of the field relative to current policy and the development of professional knowledge and skills that support ethical and effective practice. Application of ethics for chemical dependency clinicians.

ADST 542 Screening and Assessment for Co-Occurring Disorders (4) 5
This course is designed to assist master’s-level social workers, mental health counseling students and chemical dependency professional trainees (students) in obtaining the skills needed to conduct an accurate substance abuse assessment/evaluation and to determine the appropriate level of treatment. Further, students will gain an understanding of mental health diagnosis utilizing screening, assessment and diagnostic tools. Students will explore specific skills such as building rapport, gathering data, determining the client’s readiness for change, understanding accepted criteria for diagnosis (DSM IV-TR), understanding placement criteria (ASAM), utilizing assessment instruments, analyzing and interpreting data, documenting assessment findings and making appropriate treatment recommendations.

ADST 544 Treating Co-Occurring Disorders (4) 5
This class will establish a better understanding of the inherent complexities of co-occurring disorders (COD) and develop a variety of clinical skills necessary in the treatment of COD. We will explore the principles of cognitive-behavioral therapy, solution-focused therapy, motivational enhancement therapy and brief therapy approaches to both substance abuse and mental illness. Selected clinical interventions from each of these evidence-based treatment modalities will be taught and practiced for both group work and individual therapy. Clinical approaches, treatment planning, placement and medications used to treat COD will also be discussed.

ADST 546 Best Practices in Substance Abuse and Mental Health Intervention (4)
Motivational interviewing (MI) is an effective evidence-based approach to overcoming the factors that keep people from making desired changes in their lives, even after seeking or being referred to professional treatment. The first half of this course reviews the conceptual and research background supporting MI and the transtheoretical model-stages of change (SOC) and provides practice in implementing the skills involved in their approaches. The second half of this course will be an overview of dialectical behavioral therapy (DBT) and how it can be applied when working with chemically dependent clients. Each of the four skill modules will be covered. Students will also become familiar with techniques such as commitment strategies, diary cards and coaching.

ADST 595 Alcohol/Drug Practicum 1 (1–4) FWSU
Prerequisites: permission of the instructor, department chair and college dean.
Individual learning and career development course with placement in an alcohol/drug treatment or prevention facility coordinated through the Addiction Studies Program.

ADST 596 Experimental Course (1–5)
ADST 695 Alcohol/Drug Practicum II (1–4) FWSU
Prerequisites: permission of the instructor, department chair and college dean.
Individual learning and career development course with placement in an alcohol/drug treatment or prevention facility. Placement in an alcohol/drug treatment or prevention facility supports the opportunity to learn knowledge and skills by providing direct service with agency supervision. Regular seminars are held for processing and integrating concepts and techniques and addressing professional issues. When practicum placement is in a state-certified alcohol/drug treatment facility, the hours may also apply toward chemical dependency counselor state certification.
**UNDERGRADUATE PROGRAM**
The primary mission of Africana Studies is to help broaden student perspectives through a multidisciplinary curriculum that explores the experiences, contributions and accomplishments of African Americans and other peoples of African descent; and, to assist in the development of culturally competent students for a broad range of academic and professional careers. Africana Studies courses are designed to provide understanding and appreciation of the African Diaspora both as it has unfolded over time and as it is currently manifested. As part of its founding mission, Africana Studies also provides culturally-centered programming, academic support, and community outreach initiatives. These include community non-paid internships, textbook support, academic advising, peer mentoring, tutoring services, scholarships and scholarship information.

The Africana Studies Program cross-lists with some courses offered through other EWU colleges.

Required courses in the following program of study may have prerequisites. Reference the course description section for clarification.

### Africana Education Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>AAST 101</td>
<td>Introduction to Africana Studies (5)</td>
</tr>
<tr>
<td>AAST 214</td>
<td>African American Culture and Expressions (5)</td>
</tr>
<tr>
<td>AAST 215</td>
<td>Early African American History: Ancient Africa to the End of the Reconstruction 1877 (5)</td>
</tr>
<tr>
<td>AAST 220</td>
<td>African American History: Post Civil War to Present (5)</td>
</tr>
<tr>
<td>AAST 222</td>
<td>African American Economics (5)</td>
</tr>
<tr>
<td>AAST 299</td>
<td>Special Studies (1–5)</td>
</tr>
<tr>
<td>AAST 301</td>
<td>Harlem Renaissance: Reconstruction to 1930 (5)</td>
</tr>
<tr>
<td>AAST 310</td>
<td>African American Social and Intellectual Thought: From Booker T. Washington to Cornel West (5)</td>
</tr>
<tr>
<td>AAST 320</td>
<td>African American Family (5)</td>
</tr>
</tbody>
</table>

### BACHELOR OF ARTS (BA)

**RACE AND CULTURE STUDIES MAJOR (80 CREDITS)**

**Note:** see Race and Culture Studies for information.

### MINORS

**AFRICANA STUDIES MINOR (20 CREDITS)**
The program offers a minor in Africana Studies. Students gain an understanding of the African America, Caribbean and African experiences from ancient Africa to present-day. Africana Studies benefits graduates planning careers in professions where multicultural public contact is extensive, such as education, counseling, social services, medicine, government and many other fields that require diverse perspectives. Students considering this minor should contact the director of Africana Studies.

**Required Courses**
- AAST 214 African American Culture and Expressions (5)
- AAST 215 Early African American History: Ancient Africa to the End of the Reconstruction 1877 (5)
- AAST 220 African American History: Post Civil War to Present (5)

**Total credits for above minor** 20 credits

**RACE AND CULTURE STUDIES MINOR (18 CREDITS)**

**Note:** see Race and Culture Studies for information.
AAST 381  Contemporary African American Literature (5) FS
Cross-listed: ENGL 381.
Major African American literature of the 20th century: fiction, poetry, essay, autobiography and drama.

AAST 395  African American Education Internship (1–5) FWS
Prerequisite: permission of the instructor, department chair and college dean.
Internships vary according to program and student interest.

AAST 399  Special Studies (1–5) FWS
Prerequisite: sophomore standing, permission of the instructor, department chair and college dean.
Studies vary according to faculty and student interest.

AAST 424  Economics of Poverty and Discrimination (5)
Cross-listed: ECON 424, WMST 426.
Prerequisite: junior standing.
Satisfies: cultural and gender diversity university graduation requirement.
Causes of poverty and evaluation of anti-poverty programs. Examines economic theories of discrimination from different perspectives with a particular focus on issues of gender and race.

AAST 430  African American Women’s History (5)
Cross-listed: WMST 430.
Prerequisite: ENGL 201.
This course examines historical writings by and about Black women, discussing slavery, lynching, combating prejudices and encouraging racial pride to provide a framework that will deepen understanding of the topic.

AAST 435  Negro Spirituals (1)
This course offers an immersion in the music and culture of enslaved Africans to understand how and why the music developed. The purpose of the music then and now is examined as well as its impact on modern music.

AAST 465  The Rise and Fall of Slavery in the New World, 1500–1888 (5)
Cross-listed: HIST 465.
This course traces new world slavery from its origins in the islands off the west coast of Africa to the end of slavery in United States, Cuba and Brazil in the late nineteenth century. Topics covered include the Atlantic slave trade, the effects of the slave trade on Africa, the Haitian Revolution, slavery and the Enlightenment philosophies, the profitability of slavery and the abolition movement.

AAST 466  Slavery in the U.S. (5)
Cross-listed: HIST 466.
This course covers the rise and fall of slavery in the United States and its colonial antecedents. Topics include the transition from indentured servitude to slavery in the Chesapeake in the 1680s, the role slaves played on both sides of the Revolutionary War, the rise of the Cotton Kingdom, the political controversy over slavery, the rise of the abolition movement and the disintegration of slavery during the Civil War.

AAST 481  Dr. King and Malcolm X: A Comparison (2)
This class involves a brief examination into the backgrounds, lives and careers of Dr. King and Malcolm X. Comparison and contrast is employed to gain a deeper insight into the ideology and effectiveness of each leader with regard to the civil rights movement.

AAST 495  Africana Studies Internship (1–5)
Note: graded Pass/Fail.
Prerequisite: junior standing, permission of the instructor, department chair and college dean.
This course requires a supervised student practicum in the internal or external African or African American endeavor. May be but not limited to designing or working on a particular project or event for the betterment of an aspect of the African or African American lived experience on campus or in the surrounding area.

AAST 496  Experimental Courses (1–15)

AAST 497  Africana Studies Workshop (1–5)
Workshops are held to examine issues in this area.

AAST 498  Seminar (1–5)

AAST 499  Directed Study (1–5)
Prerequisite: senior or graduate standing, permission of the instructor, department chair and college dean.
Directed study and research projects vary according to faculty and student interest.
**UNDERRGRADE PROGRAM**

The Center for Studies in Aging, administratively located within the College of Social & Behavioral Sciences and Social Work, serves as the coordinating entity for the university’s multidisciplinary aging studies minor. This program draws upon the university’s existing resources in such fields as social work, sociology, biology, psychology, nursing, nutrition and dietetics, health sciences, recreation and leisure services, physical education, economics and various ethnic studies programs. The program is designed to prepare students for careers in the development, management and provision of services to older persons. Such careers include: management of public and private agencies serving older persons, administration of residential care facilities for the elderly and the management and direction of social, leisure and health services to older persons.

Required courses in the following program of study may have prerequisites. Reference the course description section for clarification.

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**Aging Studies Courses**

**Terms offered**: check with the department or EagleNET.

**AGST 310 Multidisciplinary Studies in Aging (5)**
Required of all students in the minor, this course draws upon a number of disciplines and fields (primarily biology, psychology, social work, sociology, economics, nutrition and dietetics and ethnic perspectives) to provide a balanced view of both normal and problem aspects of aging. Presents theoretical issues and aspects of aging as well as programs, services and issues involved in working with older persons.

**AGST 410 Minority Perspectives in Aging (3)**
Prerequisite: AGST 310 or special permission of the instructor.
Required of all students in the minor, this course is oriented toward a critical examination of the variations in aging experiences of minority elderly in the United States. Its focus is on the most salient themes, orientations and dimensions of the problems and processes of aging in the broader cultural tradition within each ethnic minority group. Particular attention paid to biological, material and historical bases of such dimensions, regional variations among populations and the effects of such past events as conquest and colonialism.

**AGST 455 Social Policy and Programs in Aging (3)**
Cross-listed: SOWK 455.
Prerequisite: AGST 310 or permission of the instructor.
Social welfare policies and programs serving the aged are examined, past and present, in terms of their overall impact on the aged and on society at large. The needs and gaps in services to the aged are evaluated, as well as the adequacy with which these services are delivered and the response of programs and services to the changing needs of the aged.

**AGST 456 The Older Woman (4)**
Prerequisite: junior standing.
This course examines the research and practice knowledge on the social, economic and health problems confronting older women. Older women’s needs and potential for change are considered. The course explores U.S. social policy and program alternatives that work to improve the status and quality of life for a growing and diverse population of older women.

**AGST 457 Clinical Assessment in Midlife and Older Adults (4)**
Cross-listed: SOWK 457.
Prerequisite: junior standing or permission of instructor.
An introduction to the assessment skills required for professional social work practice in mental health and other clinical settings dealing with the elderly. The course is intended for social work practitioners.

**AGST 458 Perspectives on Death and Dying (4)**
Cross-listed: SOWK 458.
This course is designed to assist students in the helping professions who wish to work with the terminally ill. Focus will be on an increased ability to deal with one’s own mortality; the development of beginning skills for working with the terminally ill and their families; an understanding of the complex social system which surrounds death in modern America; as well as the current moral, ethical and philosophical issues in the field.

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**MINOR**

**AGING STUDIES (INTERDISCIPLINARY) MINOR (20-25 CREDITS)**

**Required Courses (8 credits)**
AGST 310 Multidisciplinary Studies in Aging (5)
AGST 410 Minority Perspectives in Aging (3)

**Electives (12 credits minimum)**
Cross-listed
BIOL 343 Biology of Aging (3)
AGST 456 The Older Woman (4) SOWK 456, WMST 456
AGST 457 Clinical Assessment in Midlife  . . . (4) SOWK 457
AGST 458 Perspectives on Death and Dying (4) SOWK 458

Courses from other disciplines may be approved by the director of Aging Studies.

**Field practicum (5 credit minimum may apply)**

**Minimum total credits for above minor** 20 credits
**Minimum total credits for above minor (with practicum)** 25 credits

**Note**: a field practicum of 5 credits is required of those students not having completed a practicum in aging in their major.
Learning without thought is labor lost; thought without learning is perilous.
Confucius, philosopher and teacher (55–78 BCE)
AMERICAN INDIAN STUDIES

Faculty: D. Almeida, K. Richards.

UNDERGRADUATE PROGRAMS

The American Indian Studies Program (IDST) consists of (1) Academic Affairs, (2) Student Services and (3) Tribal Organization/Agency Liaison components. The Academic Affairs function is fulfilled by a minor in Indian Studies and service courses offering other professional disciplines. The IDST curriculum is designed to develop the cultural and civic co-competencies of students in preparation for professional employment by complementing their learning experiences in an interdisciplinary learning environment at EWU. Indigenous intellectual traditions constitute the philosophy of education for IDST. The student services function is fulfilled by a program counselor/recruiter who provides services in student recruitment, admissions, financial aid, academic advising, employment, housing, tutoring, counseling and career development. The program staff also serves as advisors to the Native American Student Association. The tribal organization/agency function is fulfilled through formal and informal working relationships with regional tribal governments, education organizations and social service agencies.

Required courses in the following program of study may have prerequisites. Reference the course description section for clarification.

BACHELOR OF ARTS (BA)

RACE AND CULTURE STUDIES MAJOR (80 CREDITS)

Note: see Race and Culture Studies for information.

MINORS

INDIAN STUDIES MINOR (18-20 CREDITS)

Required Courses (10 credits)
IDST 101 Introduction to Indian Studies (5)
IDST 321 Contemporary Indian Issues (5)
Select two courses (8-10 credits)
Select upper-division IDST courses in consultation with the department advisor.

Minimum total credits for above minor 18 credits

RACE AND CULTURE STUDIES MINOR (18 CREDITS)

Note: see Race and Culture Studies for information.

Terms offered: check with the department or EagleNET.

IDST 101 Introduction to Indian Studies (5)
Satisfies: cultural and gender diversity university graduation requirement.

This course introduces the basic philosophy (spiritual and intellectual sources), method and major topics of the discipline. Material explored includes organizing concepts, theories and patterns within a historical context— including white contact time and pre-white contact time.

IDST 201 Salish Language and Culture I (5)
Prerequisites: IDST 101.

These courses are the beginning courses in Salish language and culture, focusing on the nselxcin dialect traditionally spoken by the aboriginal people of the northern areas of central and eastern Washington as well as southern British Columbia. Students will learn to speak and understand basic Salish vocabulary and phrases and will be introduced to the International Phonetic Alphabet as applied to nselcxin.

IDST 202 Salish Language and Culture II (5)
Note: see IDST 201 for description.
Prerequisites: IDST 201.

IDST 203 Salish Language and Culture III (5)
Note: see IDST 201 for description.
Prerequisites: IDST 202.

IDST 316 American Indian History I (5)
Cross-listed: HIST 316.

This course introduces students to an overview of American Indian history through major themes which include impact and response to European contact, conquest and colonization, empire building, removal and dispossession from traditional lands, treaty making and the origins of federal Indian policy.

IDST 317 American Indian History II (5)
Cross-listed: HIST 317.

This course introduces students to an overview to American Indian history from 1887 to the present. Major themes covered in this course include but not limited to questions regarding history as a discipline, origins of indigenous peoples, impacts and responses to colonization and genocide, beginning from assimilationist policies, self-determination, termination and relocation, Red Power movement, gender, sovereignty, identity, land, environment and current issues facing American Indian peoples and communities today.

IDST 321 Contemporary Indian Issues (5)
Satisfies: cultural and gender diversity university graduation requirement.

This course will examine the contemporary educational, social, political and cultural issues currently impacting Native American communities. Through individual and group research, students will discuss a range of issues including educational reform, community organizing, economic development, land rights, the breakdown of traditional families and culturally relevant program development within various Native American communities. Focus will be on the Native American nations throughout North America.

IDST 325 Native American Writing (5)
Prerequisite: ENGL 101.

The course focuses on the development of writing from a Native American perspective. Through the study of various Native American writers, writing exercises and skills development, students will develop their own writing style.

IDST 330 Indian Wars: Past and Present (5)

The focus of this course is Indian wars of the Pacific Northwest during the first stages of white conquest. It will also include the study of contemporary Native American political and social struggles.

IDST 338 American Indian Cinema (5)
Prerequisite: IDST 101.

This course explores how the Hollywood film industry both constructs and appropriates images of American Indians. The course examine Native American themed films, which have been made by both Native and non-natives, in order to critically compare the images presented from each perspective.

IDST 380 Survey of Native American Literatures (5)
Cross-listed: ENGL 380.
Prerequisite: ENGL 201 or permission of instructor.
Satisfies: cultural and gender diversity university graduation requirement.

Designed to introduce students to specific examples of narrative, ceremonial, ritualistic, religious and secular literatures from the oral traditions of Indian Nations in North America and South America. Also introduces students to contemporary genres (i.e., poetry, the short story, the novel and drama) as they emerge from the oral traditions, with the specific purpose of articulating the continuity as reflected in literary genres.

IDST 420 Readings In Decolonization (5)
Cross-listed: CHST 420.
Prerequisite: IDST 101 and CHST 101.

This course grounds students in the theory and concepts of colonization, decolonization and indigenous peoples in America, with brief comparisons with global indigenous peoples and experiences. Through that theoretical understanding, students examine and formulate ways in which decolonization can impact and be integrated into indigenous lives and communities in a meaningful way.
IDST 421  Federal Indian Law and Policy I (5)  
Cross-listed: GOVT 421.  
This is the first course in a two course series on federal Indian law and policy. Federal Indian law is the body of law that regulates the relationship between Indian tribes and the United States. Federal Indian policy consists of the various doctrines underlying federal legislative and executive actions affecting Indian tribes. This course will introduce students to laws, regulations and case law that comprise federal Indian law as well as the policies underlying those laws. Topics will be further explored through the use of case studies.

IDST 422  Federal Indian Law and Policy II (5)  
Cross-listed: GOVT 422.  
This course is a continuation of IDST 421. Topics covered include Modern Trust Doctrine, the Federal-Tribal Relationship, congressional plenary power, tribal land and sovereignty issues and tribal justice systems. These topics are explored through the use of case studies.

IDST 437  Indian Child Welfare (4)  
Cross-listed: SOWK 437.  
This course introduces Indian child welfare with an emphasis on understanding legal, historical and cultural issues applying to work with American Indian and Alaska Native youth. This course emphasizes Indian child welfare issues relevant to the Pacific Northwest (Washington, Idaho, Oregon and Montana).

IDST 477  Contemporary Indigenous Women (5)  
Cross-listed: WMST 477.  
Prerequisite: junior standing.  
Satisfies: international studies university graduation requirement.  
This course is designed to introduce students to the role of indigenous women in the struggles for national self determination from a historical/cultural/spiritual/political context. Historically, indigenous women have always played a very prominent and powerful role within all spheres of indigenous social/political/cultural and economic issues affecting indigenous nations from a contemporary context.

IDST 480  Native American Oral Traditions (5)  
Cross-listed: HIST 480.  
Prerequisite: junior standing.  
This course expands the students’ understanding of the past through the inclusion of indigenous perspectives. Students will examine the use of oral traditions/histories, particularly the contestation regarding their validity as legitimate, historical sources. This course also examines the evolution of tribal and oral traditions from early records of their existence to the modern issues surrounding their use and maintenance. Students are introduced to the issues, ethics and protocol when working with tribal members and communities.

IDST 485  Indigenous Education (5)  
Cross-listed: EDMC 485.  
Prerequisite: junior standing.  
Satisfies: international studies university graduation requirement.  
This course introduces students to the topic of indigenous education from a global perspective. Through readings, discussions, lectures and videos, students will examine the role education has played as an instrument of oppression, and how indigenous nations have restructured educational systems to reclaim their cultural identities and to empower themselves politically.

IDST 495  Indian Studies Internship (1–5)  
Prerequisite: permission of the instructor, department chair and college dean.

IDST 496  Experimental (1–5)  
IDST 497  Workshops, Short Courses, Conferences (1–5)  
IDST 499  Directed Independent Study (1–5)  
Prerequisite: permission of the instructor, department chair and college dean.  
Independent study in areas of Indian Studies.  
IDST 599  Independent Study (1–5)  
Prerequisite: permission of the instructor, department chair and college dean.  
Graduate level directed study and research projects in American Indian and indigenous studies varying according to faculty and student interest.

The scientist is not a person who gives the right answers, he’s one who asks the right questions.  
Claude Lévi-Strauss (1908–2009)
Faculty:  J. Durwin, J. Galm, S. Keller, R. Sauders, J. Smith, M. Zukosky.

**UNDERGRADUATE PROGRAMS**

The Department of Geography and Anthropology offers both a major and a minor in anthropology. Anthropology offers students the opportunity to broaden their exposure to peoples and cultures of the world, both now and in the past. The four-field approach considers the biological, cultural, prehistoric/historic and linguistic aspects of the human condition. Specifically, the Bachelor of Arts degree in Anthropology is designed to meet the needs of students who want to:

1. broaden their undergraduate exposure to other peoples and cultures of the world as a part of their general education;
2. prepare for graduate studies in Anthropology; or
3. undertake an undergraduate program leading to work in such fields as social work, law and forensics, as well as business and other occupations interacting with ethnically diverse populations or international agencies and companies.

The department also has a research unit, Archaeological and Historical Services, where students can volunteer and some internships may be arranged both with AHS and other entities. The department has a number of physical facilities available for student use, including a physical anthropology laboratory, a cartography laboratory, a GIS laboratory and a map library.

**Optional requirements for anthropology**

Anthropology students who plan to become candidates for advanced degrees are advised to complete two years of a foreign language and a course in statistics.

Required courses in the following programs of study may have prerequisites. Reference the course description section for clarification.

<table>
<thead>
<tr>
<th>Program</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Disciplinary Foundation Course</td>
<td>5</td>
<td>ANTH 101 Cultural Anthropology</td>
</tr>
<tr>
<td>CSBS Foundation Courses</td>
<td>5</td>
<td>ANTH 301 Principles of Archaeology</td>
</tr>
<tr>
<td>Required Courses</td>
<td>29</td>
<td>ANTH 405 Critical Analysis in Anthropology (3)</td>
</tr>
<tr>
<td>Elective credits</td>
<td>10</td>
<td>ANTH 490 Senior Capstone (4)</td>
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<tr>
<td>Minimum total credits for above major</td>
<td>68</td>
<td></td>
</tr>
</tbody>
</table>

**BACHELOR OF ARTS (BA)**

Student Learning Outcomes—students will:

- demonstrate basic knowledge of the four anthropological subdisciplines: cultural anthropology, archaeology, linguistic anthropology and physical anthropology;
- demonstrate basic knowledge of the history of anthropology;
- demonstrate basic knowledge of anthropological theory;
- demonstrate critical reasoning required to use the knowledge of anthropology s/he has learned;
- demonstrate communication skills required to use the knowledge of anthropology s/he has learned.

**ANTHROPOLOGY MAJOR (68 CREDITS)**

Note: two years of a single high school foreign language or one year of a single college level foreign language is required for this major.

**Required Courses**

<table>
<thead>
<tr>
<th>Course Description</th>
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</thead>
<tbody>
<tr>
<td>Disciplinary Foundation Course</td>
<td>5</td>
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<tr>
<td>CSBS Foundation Courses</td>
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<tr>
<td>Choose one of the following (3–5 credits)</td>
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<tr>
<td>ANTH 405 Critical Analysis in Anthropology</td>
<td>3</td>
</tr>
<tr>
<td>CSBS 320 Introductory Statistics for the Social Sciences</td>
<td>3</td>
</tr>
<tr>
<td>GEOG 328 Geographic Information Systems I</td>
<td>3</td>
</tr>
<tr>
<td>Disciplinary Core Courses</td>
<td>29</td>
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<tr>
<td>ANTH 301 Principles of Archaeology</td>
<td>5</td>
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<tr>
<td>ANTH 345 Physical Anthropology</td>
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<tr>
<td>ANTH 401 Anthropological Research Methods</td>
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<tr>
<td>ANTH 444 Development of Anthropological Theory</td>
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<tr>
<td>ANTH 445 Anthropological Linguistics</td>
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<td>ANTH 490 Senior Capstone</td>
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<tr>
<td>Assessment (1 credit)</td>
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<tr>
<td>Electives—choose one of the following (25–30 credits)</td>
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<tr>
<td>a. Traditional four-field emphasis in Anthropology: choose an additional 30 credits from any courses with an ANTH prefix</td>
<td>25–30</td>
</tr>
<tr>
<td>b. A certificate program: select one of the focused, interdisciplinary certificates approved for the Anthropology major (consult department for list)</td>
<td>25–30</td>
</tr>
<tr>
<td>c. Specialization focus: under certain circumstances the student majoring in anthropology, in consultation with the advisor and chair, may design a set of 30 credits of electives that best prepares students for a specialty in anthropology they wish to pursue.</td>
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</tr>
<tr>
<td>Note: the student majoring in anthropology may do more than this elective minimum.</td>
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<tr>
<td>Note: the Anthropology major does not require a minor.</td>
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**ANTHROPOLOGY MINOR (15 CREDITS)**

**Required Course (5 credits)**

<table>
<thead>
<tr>
<th>Course Description</th>
<th>Credits</th>
</tr>
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<tbody>
<tr>
<td>ANTH 101 Cultural Anthropology</td>
<td>5</td>
</tr>
<tr>
<td>Electives (10 credits)</td>
<td>10</td>
</tr>
<tr>
<td>Select upper-division anthropology courses in consultation with department advisor</td>
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<tr>
<td>Minimum total credits for above minor</td>
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</tr>
</tbody>
</table>

ewu graduate and undergraduate catalog 2014–15
ANTH 101 Cultural Anthropology (5) FWS
Satisfies: the GECR for social science, list 2 anthropology, geography, psychology and sociology.
An introduction to the study of man with principal emphasis on culture.

ANTH 161 Introduction to Chicano Culture (5) FWSU
Cross-listed: CHST 101.
Satisfies: cultural and gender diversity university graduation requirement.
A study of Chicano culture providing an initial overview of its roots and conflicts. Specific components discussed are cultural identity, customs, language, psychology and the arts.

ANTH 201 Latinas/os in Contemporary American Society (5) S
Cross-listed: CHST 201.
Satisfies: cultural and gender diversity university graduation requirement.
The following course examines the experience of the other Hispanic (G) in the United States: Puerto Rican, Cuban American and Central Americans. The course presents a brief historical overview of their entrance in American society and a demographic comparison of significant socio-economic variables of the groups. The primary focus of the course is to examine the social and cultural profile of the Puerto Rican, Cuban and Central American groups in the U.S. The course covers historical, social and cultural themes, which include the impact of American institutions on identity, culture, language, the family and the forcible implications of immigration from Latin America.

ANTH 299 Special Studies (1–15) FWSU
Prerequisites: permission of the instructor, department chair and college dean.

ANTH 301 Principles of Archaeology (5) S
A comprehensive survey of the field of archaeology which will introduce students to the methods of field excavation and reconstruction employed by scientific archaeologists in the reconstruction of prehistoric cultures.

ANTH 302 Visual Anthropology (5) S
Prerequisite: sophomore standing.
The varied forms of communication are an essential aspect of human diversity. This course explores ethnographically how visual forms—from traditional ritual and performance to modern television and industrial design—communicate sociocultural ideas and practices.

ANTH 310 Silk Road and Central Asia (3) S
An ethnographic survey of societies in the Eurasian region including Russia, Mongolia, Kazakhstan, Kyrgyzstan, Tajikistan, Uzbekistan, Turkmenistan and China, emphasizing post-socialist development.

ANTH 320 Middle Eastern History and Culture (5)
Cross-listed: GEOG 320, HIST 320.
Examines the various ethnic, religious and national communities of the Middle East in historical and contemporary context.

ANTH 336 Geographies of Conflict in the Middle East (5)
Cross-listed: GEOG 336, HIST 336.
Examines the Middle East and its various ethnic, political, economic, religious and national conflicts from a geographic perspective. The course’s holistic combination of geographic and anthropological inquiry will offer insights into how the cultural landscape and built environment intersect and engage with the cultural and political landscapes of the Middle East.

ANTH 342 Tribes, Bands and Chiefdoms (5) S
Cross-listed: HONS 432.
Satisfies: international studies university graduation requirement.
Approaches to understanding non-state societies and an examination of how their cultures contrast with each other and with our own way of life.

ANTH 345 Physical Anthropology (5) W
An introduction to the origin, genetic adaptation and evolution of living and extinct humans.

ANTH 347 Peoples of Africa (5) W
Cross-listed: AAST 347.
A comparative view of tradition and change in sub-Saharan Africa.

ANTH 348 Peasant Societies (5) W
Satisfies: international studies university graduation requirement.
World survey of what it means to be a peasant; relationship between communities and larger political wholes; revolutionary and protest movements and their future prospects.

ANTH 349 Major Civilizations of Asia (5) W
Cross-listed: HONS 349.
Satisfies: international studies university graduation requirement.
An ethnographic survey of Japan, China, Islam and India, emphasizing the core values of each.

ANTH 355 Indians of North America (5) W
Cross-listed: HONS 355.
Satisfies: cultural and gender diversity university graduation requirement.
A comparative overview of distinctive Indian cultures. Opportunities for individual research provided.

ANTH 356 Archaeology of North America (5)
The pre-Columbian history of America north of the Valley of Mexico.

ANTH 357 Peoples of Latin America (5) F
Cross-listed: HONS 357.
Satisfies: international studies university graduation requirement.
An ethnographic survey of contemporary cultures of both aboriginal and peasant societies. Emphasis is placed on the merging and clashing of European, Indian and African, rich and poor and the continuing character of these conflicts into the present.

ANTH 358 Medical Anthropology (5) FU
Cross-listed: HONS 358.
Satisfies: international studies university graduation requirement.
This course offers an understanding of the anthropology of medicine, curing versus healing, the concept of disease and its role in today’s world and other perspectives on medicine and medical practice. A review of folk and professional medical systems will be included.

ANTH 366 Revolution and Development in the Third World (5) S
Cross-listed: HONS 366.
Satisfies: international studies university graduation requirement.
This course explores the alternative models available for understanding rapid cultural change in a worldwide array of postcolonial countries. Emphasis is placed on the historical origins of ethnic, national and religious conflict in local regions as studied by anthropologists. Opportunities are made available for pursuing students’ regional interests.

ANTH 375 Anthropology of Science and Technology (5) W
This course offers an ethnographic understanding of the culture of scientific practice and technology. Case studies explore culture within the context of the medical and natural sciences, biotechnology and virtual worlds, both in the U.S. and abroad.

ANTH 399 Special Studies (1–15) FWSU
Prerequisites: permission of the instructor and the department chair and college dean.

ANTH 401 Anthropological Research Methods (5) W
A review of anthropological methods for the collection and analysis of cultural data.

ANTH 405 Critical Analysis in Anthropology (3) S
Prerequisite: ANTH 101, ENGL 201.
This course focuses on practicing and improving critical analytical skills through the study and discussion of various genres of anthropological literature and through guided writing assignments.

ANTH 432 Anthropology of Gender (4) W
Cross-listed: WMST 432.
Satisfies: cultural and gender diversity university graduation requirement.
This course examines notions of sex and gender from a cross-cultural perspective. Material covered includes understandings of gender, third genders, human sexuality and the gendered nature of activities in both non-Western and Western societies.

ANTH 435 Irish History and Culture (5)
Cross-listed: HIST 435.
This course examines various aspects of Irish history and culture from prehistoric times to the present. Attention is given to religious, social, cultural, economic and political institutions and developments.

ANTH 436 Politics of Culture: Israel and Palestine (5) F
Cross-listed: GEOG 436, HIST 436.
Examines the role of culture in the political struggles between Israelis and Palestinians. Explores the influence of national, religious, ethnic and historical narratives in the conceptualization of the Israeli-Palestinian conflict.
This course will consider how a detailed knowledge of these 'politics of culture' can provide meaningful insights to potential avenues of cultural reconciliation and, ultimately, a more peaceful environment for Israelis and Palestinians.

ANTH 437 Women and Islam (5) S
Cross-listed: GEOG 437, HIST 437, WMST 437.
Prerequisites: junior or senior standing.
This course examines the status and identity of women in Islamic communities throughout the world and assesses how different interpretations of Islam, as a simultaneous religious, social, cultural, political and economic system, influences perceptions of women within Islamic communities. It further considers the perceptions of Islam vis-à-vis women and Islamic women themselves by non-Muslim communities.

ANTH 438 Peace, Violence and Culture (5) S
Cross-listed: GEOG 438, HIST 438.
Prerequisite: junior or senior standing.
This course is a collective exercise in critical thinking on the intersection and interaction of peace, violence and culture. It explores the cultural dimensions of peace and violence, including the role of culture in defining and understanding the manifestation and enactment of peace and violence both by and against individuals as well as groups.

ANTH 439 Topics in Anthropology (1–5) S
This course is a variable topics course exploring current interests and specific research foci in each of the four sub-fields of anthropology. Topics might include anthropological perspectives on contemporary issues; current research interests of specific faculty; further investigation of sub-topics included in large survey courses.

ANTH 444 Development of Anthropological Theory (5) F
Prerequisite: ANTH 401.
Introduction to the development of theoretical anthropology which surveys alternative theories concerning man and culture.

ANTH 445 Anthropological Linguistics (5) FU
An anthropological perspective on language, incorporating an examination of contemporary approaches to phonology and syntax with an emphasis on language in culture.
ANTH 446 Sociolinguistics (3) S
The course deals with language in its social setting. It examines linguistic variation in relation to social status and interactional context. The political implications of linguistic variation are also considered.

ANTH 448 Anthropology of Food and Nutrition (5) F
This course explores the diversity of human foodways and their ecological, cultural and social significance.

ANTH 450 Cultural Ecology (5) F
Cross-listed: HONS 450.
Satisfies: international studies university requirement.
The relationship between man, nature and culture is contrasted in food collecting, simple farming and technologically more complex cultures.

ANTH 452 Archaeological Field Techniques (5)
Archaeological theory and method with emphasis on excavation procedures and skills and laboratory analysis. Opportunity for limited field experience.

ANTH 454 Myth, Magic and Ritual (5) W
Cross-listed: HONS 454.
This course explores myth, magic and ritual as they relate to religion, philosophy and science, both in western and non-western, urban and non-urban contexts.

ANTH 455 Archaeology of Meso-America (5) S
The pre-Columbian history of Mexico, Central America and Western South America.

ANTH 456 World Archaeology (5)
This course provides a global review of archaeology beginning with the appearance of the first hominins (the Australopithecines) through the beginnings of agriculture and the advent of social stratification and culturally complex civilizations. Topics will include an overview of human evolution, the first humans and their hunting-gathering lifestyles, the increasing specialization of hunter-gatherers and the dawn of horticulture-agriculture.

ANTH 457 Witchcraft, Sorcery and Shamanism (5)
An anthropological study of the cultural significance of witchcraft, sorcery, spirit possession and shamanism.

ANTH 458 Fair Trade, Coffee and Social Justice (2)
Cross-listed: HONS 458.
This class explores the Fair Trade movement, using coffee as a lens. Topics include how the Fair Trade system has worked, debate over the Fair Trade system as a social movement and an alternative market.

ANTH 460 Forensic Anthropology (5) S
Prerequisite: restricted to students majoring in Anthropology, Criminal Justice or Chemistry with Forensic Science option or permission of instructor.
This course is an overview of osteology, human taphonomy and personal identification from skeletal remains, particularly as they are applicable to law enforcement situations. Most class periods will be a combination of lecture and laboratory work.

ANTH 463 Community Projects in Anthropology (5)
In this course students will learn methodologies and techniques used in applied anthropology. They will then put their anthropological knowledge and field techniques to use in applied anthropology projects in the community.

ANTH 490 Senior Capstone: Anthropology and the Modern World: Critical, Popular and Applied (4) S
Satisfies: senior capstone university graduation requirement.
This course joins together the diverse sub-fields and eclectic viewpoints of anthropology and its supporting disciplines with the aim of clarifying anthropology's practical uses. It seeks the principles and applications which the field as a whole needs in order to communicate with other institutions and with society at large. We explore the implicit social criticism anthropology offers to western culture and to its own place within it. The course presents an array of career possibilities, together with a wide range of practical applications for anthropological knowledge. Guest lectures, discussion, group work and their own presentations challenge students to relate their special interests to the larger issues of the human sciences and their meanings for people.

ANTH 495 Portfolio Assessment (1) FWSU
Prerequisite: senior standing.
Advised by a member of the Anthropology faculty, the student compiles an assessment portfolio of academic assignments completed in anthropology courses at EWU. Taken during the term in which the student expects to complete the requirements for the bachelor's degree in anthropology, this independent study course provides the student with an opportunity to undertake guided academic/career planning as well as to participate in summative assessments.

ANTH 495 Internship (1–15) FWSU
Prerequisite: permission of the instructor, department chair and college dean.

ANTH 497 Workshops, Short Courses, Conferences (1–5) FWSU
Special short-term programs of varying content, usually involving field work problems.

ANTH 498 Departmental Seminar (1–5) FWSU
Selected topics in anthropology.

ANTH 499 Directed Study (1–5) FWSU
Prerequisites: permission of the instructor and the department chair and college dean.
Independent study in selected areas of anthropology.

ANTH 555 Internship (1–5)
Prerequisite: permission of the instructor, department chair and college dean.
This course will offer vocational experience for students in the interdisciplinary option within an Interdisciplinary MA Program. Placement of the student with federal or state agencies, or private organizations is designed to provide on-the-job training and will be designed for the individual needs of specific master's programs.

ANTH 599 Independent Study (1–15)
Prerequisite: permission of the instructor, department chair and college dean.

ANTH 600 Thesis (2–6)
Prerequisites: permission of department chair and graduate research chair.
The objective of this course is to conduct original research as part of the completion of a research study bound as a thesis. This document provides partial fulfillment of the MA requirement and will be completed under the direction of a graduate committee. The thesis is designed to sharpen research, writing and organizational skills.
I do desire to learn, sir; and, I hope, if you have occasion to use me for your own turn, you shall find me yare.

William Shakespeare; Measure For Measure; 1604 (1564–1616)
UNDERRGRADE PROGRAMS
The Department of Art offers a curricular program founded on three major concerns: developing the highest levels of individual artistic performance and professional education, providing courses for all students which develop cultural understanding and aesthetic appreciation and functioning as a center of emphasis and resource for the visual arts in the cultural activities of both the university and the community at large.

The Department of Art’s unique and multifaceted Gallery Program provides cultural enrichment for both the university and the regional community. In addition to the main Art Gallery, the program sponsors public art lectures, visiting-artists’ workshops and cooperative exhibitions with northwest galleries and museums.

General Major and Minor Requirements for Art
All Art majors are expected to complete a core of fundamental courses in Studio Art and Art History relative to their specific degree program.

General Degree Completion Requirements for Art
All 400-level studio courses may be repeated three times for credit.

Required courses in the following programs of study may have prerequisites. Reference the course description section for clarification.

BACHELOR OF ARTS (BA)
Student Learning Outcomes—students will:

- have a fundamental ability to read and comprehend texts and to analyze works of art with peers and faculty;
- have a fundamental knowledge of major movements, styles and artists within the history of art;
- have the ability to do independent research from diverse texts within the subject of Art History;
- be able to synthesize their art historical knowledge into the practice of the art historical discipline through discussion and writing;
- have the ability to bring together their research into clear written form;
- demonstrate an awareness of current scholarly opinion regarding issues of interpretation in the field and the ability to articulate and discuss art within our own culture and the art of culturally-diverse settings.

ART HISTORY MAJOR (62 Credits)
Students majoring in Art History will be expected to complete courses in methodology and to present a written thesis.

Note: two years of a single high school foreign language or one year of a single college level foreign language is required.

Required Courses (29–30 credits)
ART 107 Basic Design (5)
or ART 307 3D Design (5)
ART 213 Art in the Humanities (5)
ART 300 Drawing (5)
ART 303 Digital Art I (5)
ART 339 Research in Art History (2)
ART 439 Art History Seminar (2–3)
ART 491 Senior Thesis (5)

Select courses from the following (30 credits)
ART 310 World Art (5)
ART 415 History of Ancient Art (5)
ART 417 History of Medieval Art (5)
ART 420 History of Renaissance Art (5)
ART 422 History of Baroque and Rococo Art (5)
ART 423 Art of the 19th Century (5)
ART 430 History of Modern Art (5)
ART 431 History of Contemporary Art (5)

Electives (3 credits)
Select additional Art History courses in consultation with department advisor.

BACHELOR OF ARTS (BA)
Student Learning Outcomes—students will:

- have the ability to analyze, interpret and create written or spoken dialogue about diverse works of art;
- demonstrate the ability to articulate thoughts and ideas in relation to an art historical timeline, and the ability to articulate and discuss art within our own culture and the art of culturally-diverse settings;
- have basic skills to create works of art in at least three different media;
- have advanced skills and knowledge to create works of art in at least one medium;
- be able to synthesize their studio practice into the professional practice of the discipline.

STUDIO ART MAJOR (75 Credits)

Note: two years of a single high school foreign language or one year of a single college level foreign language is required.

Required Courses (35 credits)
ART 107 Basic Design (5)
or ART 307 3D Design (5)
ART 155 Beginning Painting (5)
or ART 355 Painting (5)
ART 213 Art in the Humanities (5)
ART 300 Drawing (5)
or ART 401 Life Drawing (5)
ART 303 Digital Art I (5)
ART 400 Drawing (5)
or ART 401 Life Drawing (5)
ART 490 Senior Capstone: Professional practices for the visual arts. Where do you want to go? How do you get there? (5)

Select two of the following courses (10 credits)
ART 310 World Art (5)
ART 415 History of Ancient Art (5)
ART 417 History of Medieval Art (5)
ART 420 History of Renaissance Art (5)
ART 422 History of Baroque and Rococo Art (5)
ART 423 Art of the 19th Century (5)
ART 430 History of Modern Art (5)
ART 431 History of Contemporary Art (5)

Studio Disciplines (20 credits)
From the list of studio courses marked with an (*) choose one studio discipline to be repeated a minimum of three times: 20 credits

Ceramics:
ART 325 Ceramics (5)
ART 425 Advanced Ceramics (5)*

Digital Art:
ART 403 Digital Art II (5)*
ART 408 Intermedia (5)*

Drawing:
ART 400 Drawing (5)*
ART 401 Life Drawing (5)*

Photography:
ART 304 Art of Photography (5)
ART 404 Art of Photography (5)*

Printmaking:
ART 360 Printmaking (5)
ART 460 Printmaking (5)*

Sculpture:
ART 365 Sculpture (5)
ART 465 Sculpture (5)*

Alternative Media:
ART 407 Alternative Media (5)*
ART 450 Workshop in Art (1–5)*

Electives (10 credits)
Select additional art courses in consultation with department advisor.

Required program credits 45 credits
Studio discipline credits 20 credits
Elective credits 10 credits
Total credits for above major 75 credits

Required program credits Elective credits Total credits for above major

<table>
<thead>
<tr>
<th>Required program credits</th>
<th>59 credits</th>
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</thead>
<tbody>
<tr>
<td>Elective credits</td>
<td>3 credits</td>
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<tr>
<td>Total credits for above major</td>
<td>62 credits</td>
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</tbody>
</table>
**BACHELOR OF ARTS IN EDUCATION (BAE)**

**Note:** see the Education Department for prerequisites, core requirements and additional SLOs.

**Student Learning Outcomes—students will:**

- have the basic knowledge, skills and understanding of art’s role and function in our daily lives, school, society, and culture;
- have the basic knowledge, skills and understanding to look at, discuss, write about and interpret artworks and become aware of integrated learning opportunities for art in educational settings;
- have the basic knowledge, skills and understanding in contemporary issues and trends in art education and in the role and value of art education for elementary students and in teaching practice;
- have basic knowledge, skills, and understanding of methods and strategies for teaching meaningful art lessons to K–8 students, exploring the values and possibilities in art-making activities;
- demonstrate basic studio competencies using a variety of art materials, methods, styles and techniques appropriate to K–8 education;
- have basic knowledge, skills, and understanding of the community resources available to enhance the integration of art making, art criticism, aesthetics and art history in educational settings.

Students seeking certification in Art will be expected to demonstrate basic studio competencies prior to recommendation for admission to professional degree candidacy.

**VISUAL ARTS/ELEMENTARY MAJOR (45 CREDITS)**

**ELEMENTARY EDUCATION CORE (70 CREDITS)**

This major satisfies the endorsement for preschool to grade 12.

<table>
<thead>
<tr>
<th>Required Courses (35 credits)</th>
<th>Credits</th>
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<tbody>
<tr>
<td>ART 107 Basic Design (5)</td>
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<tr>
<td>ART 155 Beginning Painting (5)</td>
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<td>or ART 355 Painting (5)</td>
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<td>ART 213 Art in the Humanities (5)</td>
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<td>ART 300 Drawing (5)</td>
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<td>ART 303 Digital Art I (5)</td>
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<td>ART 325 Ceramics (5)</td>
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<tr>
<td>ART 390 Art in the Elementary School (3)</td>
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<tr>
<td>ART 391 Foundations of Art Education (2)</td>
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</tbody>
</table>

**Select one of the following courses (5 credits)**

- ART 420 History of Renaissance Art (5)
- ART 423 Art of the 19th Century (5)
- ART 430 History of Modern Art (5)

**Electives (5 credits)**

From the list of studio courses select additional Art courses in consultation with a department advisor.

**Digital Art/Photography**

- ART 304 Art of Photography (5)
- ART 403 Digital Art II (5)

**3D Ceramics/Sculpture**

- ART 307 3D Design (5)
- ART 365 Sculpture (5)
- ART 425 Advanced Ceramics (5)

**2D Painting/Drawing/Printing**

- ART 356 Watercolor (5)
- ART 360 Printmaking (5)
- ART 401 Life Drawing (5)
- ART 445 Painting (5)
- ART 456 Watercolor (5)
- ART 460 Printmaking (5)

**Required program credits**

- 40 credits

**Elective credits**

- 5 credits

**Credits for above major**

- 45 credits

**Note:** the above major takes more than 12 quarters at 15–16 credits a quarter.

**BACHELOR OF ARTS IN EDUCATION (BAE)**

**Note:** see the Education Department for prerequisites, core requirements and additional SLOs.

**Student Learning Outcomes—students will:**

- understand, develop, demonstrate and practice knowledge of the theory and practice of Art Education for secondary level students;
- understand, develop, demonstrate and practice appropriate curriculum and teaching methods for studio and for art history, criticism and aesthetics;
- understand, develop, demonstrate and practice appropriate professional dispositions, art content and art knowledge for successful teaching;
- develop, demonstrate and practice understanding and knowledge through discussing the philosophical and historical foundations of Art Education, and be able to articulate and discuss art within our own culture and the art of other cultures;
- understand, develop, demonstrate and practice skill in the use of computers for curriculum development, instruction, as an art media, and for classroom management;
- understand, develop, demonstrate and practice an understanding of the community resources available to enhance the integration of art making, art criticism, aesthetics and art history in secondary educational settings.

Students seeking certification in Art will be expected to demonstrate basic studio competencies prior to recommendation for admission to professional degree candidacy.

**VISUAL ARTS/SECONDARY MAJOR (70 CREDITS)**

**SECONDARY EDUCATION CORE (43 CREDITS)**

This major satisfies the endorsement for preschool to grade 12.

<table>
<thead>
<tr>
<th>Required Courses (50 credits)</th>
<th>Credits</th>
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<tbody>
<tr>
<td>ART 107 Basic Design (5)</td>
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<tr>
<td>ART 155 Beginning Painting (5)</td>
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<tr>
<td>or ART 355 Painting (5)</td>
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<td>ART 213 Art in the Humanities (5)</td>
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<td>ART 300 Drawing (5)</td>
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<td>ART 303 Digital Art I (5)</td>
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<tr>
<td>ART 325 Ceramics (5)</td>
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<tr>
<td>ART 393 Art in the Secondary School (3)</td>
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<tr>
<td>ART 391 Foundations of Art Education (2)</td>
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</table>

**Select one of the following (5 credits)**

- ART 420 History of Renaissance Art (5)
- ART 423 Art of the 19th Century (5)
- ART 430 History of Modern Art (5)
- ART 431 History of Contemporary Art (5)

** Electives (15 credits)**

Select three courses from one of the following categories. Courses with an * can be taken up to three times.

**Digital Art/Photography**

- ART 304 Art of Photography (5)
- ART 403 Digital Art II (5)*
- ART 404 Art of Photography (5)*
- ART 356 Watercolor (5)
- ART 360 Printmaking (5)
- ART 401 Life Drawing (5)*
- ART 445 Painting (5)*
- ART 456 Watercolor (5)*
- ART 460 Printmaking (5)*

**2D Painting/Drawing/Printing**

- ART 340 History of Renaissance Art (5)
- ART 430 History of Modern Art (5)
- ART 431 History of Contemporary Art (5)

**3D Ceramics/Sculpture**

- ART 307 3D Design (5)
- ART 365 Sculpture (5)
- ART 425 Advanced Ceramics (5)*
- ART 465 Sculpture (5)*

**Required program credits**

- 55 credits

**Elective credits**

- 15 credits

**Credits for above major**

- 70 credits

**Note:** all BAE Visual Arts Secondary Education students will meet with an Art Department faculty mentor during their student teaching internship period.

**Note:** the above major takes more than 12 quarters at 15–16 credits a quarter.
BACHELOR OF FINE ARTS (BFA)

Student Learning Outcomes—students will:

• have the ability to analyze, interpret and create written or spoken dialogue about diverse works of art;
• be able to convey thoughts and ideas in relation to an art historical timeline, apply contemporary concepts in art to their own work and articulate and discuss art within our own culture and the art of other cultures;
• have basic skills to create works of art in at least three different media;
• have advanced skills and knowledge to create works of art in at least one medium and intermediate skills and knowledge of at least one other medium;
• have the ability to present and apply their skill in studio practice in the creation of a cohesive body of work on a level appropriate to entry into both graduate schools and art professions;
• have the ability to defend their portfolio work both orally and in writing.

STUDIO ART MAJOR (115 CREDITS)

The primary focus of the BFA is to give students who are committed to becoming contemporary artists an opportunity to immerse themselves in a much deeper studio experience and prepare a solid portfolio should they continue on to a MFA degree.

Prior to declaring the BFA major, students must apply to the program by submitting a portfolio spring quarter of their junior year. Notification of acceptance is sent spring quarter. (Students need not be in the BFA to take any art class, with the exception of the senior year three-quarter class ART 470). This course requires previous acceptance into the BFA degree program. ART 470 senior courses are an intensive studio experience as well as engaging students in philosophical dialogues about the nature of being an artist and how to prepare for graduate studies (MFA).

Students have individual mid-term reviews with all art faculty as well as two end-of-quarter reviews with two professional artists from outside the department and the course instructor.

Students prepare work for and make a mailer for an end of year group exhibition in the main gallery or other space if needed.

Note: there is no foreign language requirement for BFA students.

Required Courses (48 credits)
ART 107 Basic Design (5)
or ART 307 3D Design (5)
ART 215 Art in the Humanities (5)
ART 300 Drawing (5)
ART 303 Digital Art I (5)
ART 400 Drawing (5)
ART 401 Life Drawing (5)
ART 407 Alternative Media (5)
ART 431 History of Contemporary Art (5)
ART 470 Senior Exhibition (1+1+1)
ART 490 Senior Capstone: Professional practices for the visual arts. Where do you want to go? How do you get there? (5)

Select one of the following courses (5 credits)
ART 310 World Art (5)
ART 415 History of Ancient Art (5)
ART 417 History of Medieval Art (5)
ART 420 History of Renaissance Art (5)
ART 422 History of Baroque and Rococo Art (5)
ART 423 Art of the 19th Century (5)
ART 430 History of Modern Art (5)

Studio Disciplines (25 credits and 15 credits)
From the list of studio courses marked with (*) choose one studio discipline to be repeated a minimum of three times: 25 credits. Select courses in a second studio discipline (15 credits)

Alternative Media
ART 407 Alternative Media (5)*
ART 450 Workshop in Art (1–5)*

Ceramics
ART 325 Ceramics (5)
ART 425 Advanced Ceramics (5)*

Digital Art
ART 403 Digital Art II (5)*
ART 408 Intermedia (5)*

Drawing
ART 400 Drawing (5)*
ART 401 Life Drawing (5)*

Electives (22 credits)
Select additional art courses in consultation with department advisor.

Required program credits
53 credits
Studio discipline credits
25 credits
Second studio discipline credits
15 credits
Elective credits
22 credits
Total credits for above major
115 credits

BACHELOR OF FINE ARTS (BFA)

Student Learning Outcomes—students will:

• have the ability to solve visual communication problems, including the skills of identification, research and information gathering, analysis and generation of alternative solutions;
• have the ability to draw on thoughts and ideas in relation to an art historical timeline, apply contemporary concepts in design to their own work and articulate and discuss art within our own culture and the art of other cultures;
• have basic skills to create a response to visual communication problems, including an understanding of the principles of visual organization/composition, information hierarchy, symbol representation, typography, aesthetics and the construction of meaningful images;
• have an understanding of multimedia tools and technology, including their roles in the creation, reproduction and distribution of visual messages;
• be able to describe and respond to audiences and contexts that communication solutions must address, including recognition of the physical, cognitive and social human factors that shape design decisions;
• have an understanding of basic business practices, including the ability to organize design projects and to work productively as members of a team;
• create a cohesive body of work on a level appropriate to entry into both graduate schools and design professions and have the ability to defend their portfolio work both orally and in writing.

VISUAL COMMUNICATION DESIGN (113 CREDITS)

The Department of Engineering & Design and the Department of Art offer an intercollegiate Visual Communication Design program founded on four major concerns: developing the highest levels of individual creative performance and professional education; providing courses for all students which develop ability in both technical visual communications as well as important core skills in the area of fine art; giving students a greater cultural and historical understanding and aesthetic appreciation of the function of design in the arts and in the world around them; and functioning as dual centers of emphasis and resource for the visual arts, visual communication and technology in the cultural activities of both the university community and the community at large.

Both departments are committed to working together to give students access to current technologies in the area of visual communication design, as well as experience in developing the necessary visual skills provided by studio art areas such as drawing, painting and sculpture.

The program ends with a three quarter senior year intensive studio experience for the preparation of portfolios for job placement or graduate school application. This includes midterm faculty review of student work, quarterly outside professional review and a final exhibition as the completion of the student portfolio of work.

Prior to declaring the BFA major, students must apply to the program by submitting a portfolio and academic transcripts. Application is recommended at the end of the sophomore year to help ensure that appropriate junior year courses are selected. Students need not be in the BFA to take DESN or ART classes, with the exception of the senior year three quarter class DESN 471/ART 471. This course requires previous acceptance into the BFA degree program.
Notes: 1. There is no foreign language requirement for BFA students.
2. Including university requirements, the above program requires a minimum of 180 credits or an average of 15 credits per quarter for a 12 quarter, four-year program. The 180 credits are based upon the following assumptions: Students will have satisfied university competencies (ENGL 101 and CPLA 100). If this is not true, then the student will have to complete up to six more credits of classes (See university competencies in this catalog.)
3. ART 213 fulfills EWU’s Fine Arts core requirement.
4. TECH 393 fulfills EWU’s International Studies requirement.
5. DESN 490 fulfills EWU’s senior capstone requirement.

Required Courses (104 credits)
ART 107 Basic Design (5)
ART 207 Color Design (5)
ART 213 Art in the Humanities (5)
ART 300 Drawing (5)
ART 303 Digital Art I (5)
ART 307 3D Design (5)
ART 360 Printmaking (5)
ART 401 Life Drawing (5)
ART 431 History of Contemporary Art (5)
DESN 100 Drawing for Communication (5)
DESN 216 Digital Foundations (4)
DESN 243 Typography (4)
DESN 259 History of Design (4)
DESN 263 Visual Communication Design 1 (5)
DESN 363 Visual Communication Design 2 (5)
DESN 366 Prepress Production (4)
DESN 368 Web Design 1 (4)
DESN 378 Web Design 2 (4)
DESN 463 Visual Communication Design 3 (5)
DESN 471 Senior Exhibition (1, 1, 1)
DESN 490 Senior Capstone (4)
DESN 495 Internship (4)
TECH 393 Technology in World Civilization (4)

Electives (9 credits)
Design Elective (4)
Studio Art Elective (5)

Total required credits 104 credits
Total elective credits 9 credits
Total credits for above major 113 credits

MINORS

ART MINOR (20 CREDITS)

Required Courses (5 credits)
ART 213 Art in the Humanities (5)

Select one of the following courses (5 credits)
ART 310 World Art (5)
ART 311 African and African American Art History (5)
ART 415 History of Ancient Art (5)
ART 417 History of Medieval Art (5)
ART 420 History of Renaissance Art (5)
ART 422 History of Baroque and Rococo Art (5)
ART 423 Art of the 19th Century (5)
ART 430 History of Modern Art (5)
ART 431 History of Contemporary Art (5)

Total credits for above minor 20 credits

ART/ELEMENTARY OR SECONDARY MINOR (33 CREDITS)

This minor satisfies the endorsement for preschool to grade 12.

Required Courses
ART 107 Basic Design (5)
ART 213 Art in the Humanities (5)
ART 300 Drawing (5)
or ART 325 Ceramics (5)
or ART 365 Sculpture (5)
or ART 390 Art in the Elementary School (3)
or ART 393 Art in the Secondary School (3)
or ART 420 History of Renaissance Art (5)
or ART 430 History of Modern Art (5)

Total credits for above minor 33 credits

GRADUATE PROGRAM

The Art Department offers courses that may be included in an Interdisciplinary master’s degree and Art Department faculty may serve on committees for students whose Interdisciplinary program proposals are accepted through the process described elsewhere in this catalog. Note: only programs that offer a graduate degree may be the primary discipline in a graduate interdisciplinary degree program. Art does not offer an MA.

The Art Department’s Participation in Interdisciplinary Masters Programs
First and foremost—all Interdisciplinary MA applicants must understand that the only terminal degree in Studio Art is the MFA. An MFA is required to teach studio art at levels beyond high school. A PhD is needed to teach Art History and Art Education. (See below)

Acceptance into Program
Interdisciplinary MA applicants must apply with a portfolio of work in the same manner as the BFA applicants.
If accepted, the Interdisciplinary MA candidates will participate in two quarters of twice-quarterly reviews, (i.e., one review by Art faculty and one review by outside professionals each quarter). These reviews are currently listed as ART 470.
During the MA candidate’s third and final quarter, the candidate will participate in a thesis exhibition and have an oral review by the thesis committee which must consist of at least one of their Art faculty.

Interdisciplinary MA History and Art
Interdisciplinary MA students in History and Art have a strong record of following the traditional trajectory of the MA preceding the PhD.

Interdisciplinary MA in Publishing, Creative Writing and Art
Art courses can constitute a minor discipline for this degree program based on the determination of the department chair only, with input from other faculty if necessary.
All faculty will participate on committees to work with MA candidates accepted into our program.
Art Courses

**ART 107 Basic Design (5)**
Prerequisite: must be one of the following majors: Art, Studio Art, Art History, Visual Arts Elementary or Secondary, Visual Communication Design, Communication Studies, Theatre, Interdisciplinary Studies or Computer Science or by permission of the instructor.

This course is the exploration of design concepts for two-dimensional media including composition, 2D form, scale, value and color.

**ART 155 Beginning Painting (5)**
This course is an introduction to painting techniques and approaches, designed for students with no previous art training and non-art majors.

**ART 207 Color Design (5)**
This course examines color problems in design and fine art.

**ART 213 Art in the Humanities (5)**
Cross-listed: HONS 213, HUMN 213.
Satisfies: GECR for humanities and fine arts, list 2, for graduation.

A survey of cultural interrelationships of the arts, emphasizing the visual arts of painting, sculpture and architecture.

**ART 300 Drawing (5)**
Prerequisite: must be one of the following majors: Art, Studio Art, Art History, Visual Arts Elementary or Secondary, Visual Communication Design, Communication Studies, Theatre, Interdisciplinary Studies or Computer Science or by permission of the instructor.

This course is an introduction to fundamentals of drawing. Students use a variety of media.

**ART 303 Digital Art I (5)**
Prerequisite: must be one of the following majors: Art, Studio Art, Art History, Visual Arts Elementary or Secondary, Visual Communication Design, Communication Studies, Journalism, Theatre, Interdisciplinary Studies or Computer Science or by permission of the instructor.

This is a beginning digital art course that explores the use of digital media in the creation of studio art. The focus of this course is on the development of works of art through the use of computer applications such as Adobe Photoshop, Illustrator and Flash. Students experiment with ways in which other artistic media can be used in combination with the digital image to produce unique works of art.

**ART 304 Art of Photography (5)**
This class is an exploration of the photographic medium with emphasis on artistic development. Students work with film-based or digital imagery, while learning photographic process and engaging in a dialogue with visual history.

**ART 307 3D Design (5)**
Problems in experimental three-dimensional design and structure are considered.

**ART 310 World Art (5)**
Satisfies: cultural and gender diversity university graduation requirement.

A survey of aesthetic and visual concepts of various cultures. Includes study of selected indigenous, primitive and native art forms.

**ART 311 African and African American Art History (5)**
Cross-listed: HUMN 311.
Prerequisite: ENGL 100, cultural and gender diversity university graduation requirement.

Surveys visual arts from prehistoric Africa to the modern African artist.

**ART 325 Ceramics (5)**
Beginning exploration of pottery and sculpture. Students will begin building hand-building and wheel techniques.

**ART 339 Research in Art History (2)**
Prerequisite: ENGL 101.
This course is an intensive study of the methodology of research in the field of art history with an emphasis on research techniques and writing.

**ART 355 Painting (5)**
Prerequisite: ART 155 or permission of the instructor. This is either a beginning course for upper division students or the second course for those who have taken ART 155.

The exploration of various techniques and approaches to making paintings (realism to non-representational).

**ART 356 Watercolor (5)**
Basic watercolor techniques using still life and landscape models.

**ART 360 Printmaking (5)**
Prerequisite: must be one of the following majors: Art, Studio Art, Art History, Visual Arts Elementary or Secondary, Visual Communication Design, Communication Studies, Journalism, Theatre, Interdisciplinary Studies or Computer Science or by permission of the instructor.

This course explores printmaking techniques including experimental methods.

**ART 365 Sculpture (5)**
Experimentation in sculpture through modeling, casting and fabricating.

**ART 390 Art in the Elementary School (3)**
Prerequisite: Junior standing.
Children's development in visual expression. Teaching procedures and materials used in structuring children's art experiences and the development of skill in basic studio practices.

**ART 391 Foundations of Art Education (2)**
Prerequisite: Junior standing.
An examination and review of significant historical and philosophical thought in the development of contemporary art education.

**ART 393 Art in the Secondary School (3)**
Prerequisite: permission of the instructor.
Designed to examine and verify professional competency prior to student teaching. Required for secondary emphasis art majors.

**ART 398 Seminar (2–3)**

**ART 400 Drawing (5)**
Prerequisite: ART 300.
Advanced drawing and figure construction techniques. Students may specialize in one medium.

**ART 401 Life Drawing (5)**
Prerequisite: ART 300.

**ART 403 Digital Art II (5)**
Prerequisite: ART 303 or permission of the instructor.
This is an intermediate and advanced digital art course that expands on the visual and digital media in the creation of studio art. In this section, students work to develop greater proficiency in using the computer as an artistic tool while working to build a strong, independent portfolio of digital work using computer applications such as Adobe Photoshop, Illustrator and Flash. The focus is to refine skills and knowledge of the creation of digital-based art.

**ART 404 Art of Photography (5)**
Prerequisite: ART 304 or permission of the instructor.
Advanced photo techniques and ideas. Subjects vary according to faculty and student interests.

**ART 407 Alternative Media (5)**
Prerequisite: Junior standing.
Learning to work with non-traditional materials in the creation of art, students create works dealing with time, chance, light, space and other alternative methods. We will discuss artists and issues surrounding the development of conceptual art and consider its influence on today's art world.

**ART 408 Intermedia (5)**
Prerequisite: Junior standing.
The focus of this course is on learning to work with more than one medium in the creation of works of art—intermedia. Students will create works that involve combinations of performance, video and installation. We will discuss artists and issues surrounding the creation of works that are or can be termed intermedia.

**ART 409 Women and Men in Contemporary Art (1)**
Cross-listed: WAST 409.
Prerequisite: ENGL 201.
The class focuses on how the cultural arts describe society. Examining it does to a variety of social issues. Students will suggest ways in which they can integrate women into the arts and into their understanding of larger cultural relationships.

**ART 415 History of Ancient Art (5)**
Cross-listed: HONS 415.
Prerequisites: ENGL 101; ART 213 or ART 215 or HUMN 212 or HUMN 212 (may be taken concurrently).
This course is a survey of early styles of art in Western civilization, including Egypt, the Near East, Greece and Rome.

**ART 417 History of Medieval Art (5)**
Cross-listed: HONS 417.
Prerequisites: ENGL 101; ART 213 or ART 215 or HUMN 212 (may be taken concurrently).
This course is a survey of painting, sculpture and architecture in Europe from the Early Christian period through the Gothic age (ca 400–1400 AD).

**ART 420 History of Renaissance Art (5)**
Cross-listed: HONS 420.
Prerequisites: ENGL 101; ART 213 or ART 215 or HUMN 212 or HUMN 212 (may be taken concurrently).
This course includes discussion of painting, sculpture and architecture of Renaissance Europe from 14th through the 16th centuries, including a comparison between Italian and Northern styles.

**ART 422 History of Baroque and Rococo Art (5)**
Cross-listed: HONS 422.
Prerequisites: ENGL 101; ART 213 or ART 215 or HUMN 212 (may be taken concurrently).
This course presents European Art between 1600 and 1750, with attention to the interrelation between the visual arts of painting, sculpture and architecture and other areas of cultural development—music, drama, literature and philosophy.

**ART 423 Art of the 19th Century (5)**
Cross-listed: HONS 423.
Prerequisites: ENGL 101; ART 213 or ART 215 or HUMN 212 (may be taken concurrently).
This course is a survey of painting, sculpture and architecture in 19th century America and Europe, covering such movements as Realism, Romanticism, Realism, Impressionism.

**ART 425 Advanced Ceramics (5)**
Prerequisite: ART 325.
This course emphasizes the development of advanced skills in ceramics, hand building and/or wheel throwing and glaze technology.

**ART 430 History of Modern Art (5)**
Cross-listed: HONS 430.
Prerequisites: ENGL 101; ART 213 or ART 215 or HUMN 212 (may be taken concurrently).
This course is a survey of major art forms, including architecture, from French Impressionism (ca 1865) to the present. Emphasis will be on identifying the origins and tracing the development of 20th century styles.
This course is a survey of art and theoretical writings on art from 1960 to the present. As the art world is increasingly globalization, this course examines the works and ideas from artists and art theorists around the world today.

**ART 439** Art History Seminar (2–3)
Note: may be repeated for additional credit.
Prerequisites: ART 101.
This variable topic, variable credit class is an intensive study of the major artists and issues of one historical period. Topics will be developed through readings and group discussions.

**ART 450** Workshop in Art (1–5)
Note: may be repeated for additional credit.
Prerequisites: permission of the instructor.
Exploratory problems in a variety of materials and media.

**ART 455** Painting (5)
Prerequisite: ART 355.
Exploring a variety of concepts/attitudes and materials relating to art making.

**ART 456** Watercolor (5)
Prerequisite: ART 356.
Advanced watercolor techniques.

**ART 460** Printmaking (5)
Prerequisite: ART 360.
Continued exploration of print media. Emphasis upon craftsmanship and creative possibilities of media.

**ART 465** Sculpture (5)
Prerequisite: ART 365.
Advanced study in sculptural media of student’s choice. Opportunity for work in stone, wood, welding, bronze casting and other specialties.

**ART 470** Senior Exhibition (1)
Note: must be repeated three times for credit.
Prerequisites: senior standing and declared BFA in VCD major.
The individual preparation and presentation of work for senior exhibition.

**ART 471** Senior Exhibition (1)
Cross-listed: DESN 471.
Note: must be repeated three times for credit.
Prerequisites: senior standing and declared BFA in VCD major.
This course entails the individual preparation and presentation of work for senior exhibition.

**ART 490** Senior Capstone: Professional Practices for the Visual Arts. Where Do You Want To Go? How Do You Get There? (5)
Prerequisite: graduating senior in both BFA and BA Studio Art programs.
Satisfies: senior capstone university graduation requirement.
The course addresses issues from portfolio development, to proposals, to opportunities in the art world. Students are encouraged to work with faculty in developing internships as well as grant proposals and slide packages.

**ART 491** Senior Thesis (5)
Prerequisite: permission of the instructor.
Satisfies: senior capstone university graduation requirement.
The research and writing of an undergraduate thesis in Art History. Normally taken during the student’s senior year.

**ART 495** Internship (1–3)
Prerequisite: permission of the instructor, department chair and college dean.

**ART 496** Experimental Courses in Art (1–5)
Subjects vary according to faculty and student interest.

**ART 498** Seminar (2)
Note: may be repeated for additional credit.

**ART 499** Directed Study (1–5)
Prerequisites: senior standing, permission of the instructor, department chair and college dean.
Designed for upper-division students who wish to pursue work in any area in which they have completed three prior quarters of work.

**ART 501** Graduate Life Drawing (5)
Prerequisite: ART 401 or permission of the instructor.
Advanced study of drawing techniques and the human form.
BIOLOGY
College of Science, Health & Engineering

Margaret A. O'Connell, Chair
258 Science Building
509.359.6812

Faculty:
Adjunct Faculty: J. Bastow, J. Haller.

UNDERGRADUATE PROGRAMS

Biology encompasses the scientific study of life. The structure and function of organisms are studied at the molecular, cellular, organisinal, population and ecosystems levels. The Department of Biology prepares students for careers in a variety of biological fields including the health sciences, natural resource management, biotechnology, veterinary medicine, education, and environmental sciences.

The Department of Biology offers undergraduate programs leading to a Bachelor of Science (BS) and a Bachelor of Arts in Education (BAE) for Biology. All students are expected to work closely with their faculty advisor to determine their curriculum. The BS degree is designed for students who require a broad background in biology, along with specialized training that will prepare them for specific careers. The program is based upon a core curriculum to provide the common background. Students are required to earn a minimum grade in the introductory sequence (BIOL 171, BIOL 172, BIOL 173, BIOL 270) to ensure a solid foundation for upper division courses. Coursework for specific careers is based on the student's major and the program requirements.

In addition, undergraduate students can participate in faculty research. In coordination with the Program in Environmental Science, the Department of Biology offers an Environmental Science major with an emphasis in Environmental Biology. This major includes a core curriculum that provides students with a broad exposure to biology, chemistry, geology, statistics, and geographic information systems. More focused coursework in biology provides students with expertise in the emphasis area. Motivated students have the opportunity to obtain a double major in both Environmental Science and Biology. Refer to Environmental Science section of catalogue for more information.

The Department of Biology offers minors in biology, health sciences, biology/secondary, and general science/ add-on endorsements.

Required Biology Courses (55–56 credits)

BIOL 171 Biology I (5)
BIOL 172 Biology II (5)
BIOL 173 Biology III (5)
BIOL 270 Biological Investigation (3)
BIOL 301 Microbiology (5)
BIOL 302 Botany (5)
BIOL 310 Fundamentals of Genetics (5)
BIOL 340 Biology and Society (2)
BIOL 423 Evolution (5)
BIOL 440 Ecology (4)
BIOL 441 Ecology Lab (2)

Select one of the following courses (5 credits)
BIOL 503 Invertebrate Zoology (5)
BIOL 504 Vertebrate Zoology (5)

Select one of the following courses (4–5 credits)
BIOL 334 Human Anatomy and Physiology III for Biology Majors (5)
BIOL 351 Comparative Animal Physiology (4)
BIOL 352 Principles of Plant Physiology (4)
BIOL 353 Principles of Microbial Physiology (4)

Required supporting courses (17 credits)

SI 100 Academic Survival in College (1)
CHEM 151 General Chemistry (5)
CHEM 152 General Chemistry (5)
CHEM 153 General Chemistry (5)
SCED 390 Secondary Science Teaching Methods (1)

Required program credits 55–56 credits
Required supporting courses 22 credits
Minimum credits for above major 77 credits

Note: the above option requires more than 12 quarters to complete at 15 credits per quarter.

BIOLOGY/SECONDARY MAJOR (77–78 CREDITS)

SECONDARY EDUCATION CORE (43 CREDITS)

This major satisfies the endorsement requirements for grades 5–12.

Note: BAE students must complete both the courses below and the secondary education core courses.

Required Biology Courses (55–56 credits)

BIOL 171 Biology I (5)
BIOL 172 Biology II (5)
BIOL 173 Biology III (5)
BIOL 270 Biological Investigation (3)
BIOL 301 Microbiology (5)
BIOL 302 Botany (5)
BIOL 310 Fundamentals of Genetics (5)
BIOL 340 Biology and Society (2)
BIOL 423 Evolution (5)
BIOL 440 Ecology (4)
BIOL 441 Ecology Lab (2)

Select one of the following courses (5 credits)
BIOL 503 Invertebrate Zoology (5)
BIOL 504 Vertebrate Zoology (5)

Select one of the following courses (4–5 credits)
BIOL 334 Human Anatomy and Physiology III for Biology Majors (5)
BIOL 351 Comparative Animal Physiology (4)
BIOL 352 Principles of Plant Physiology (4)
BIOL 353 Principles of Microbial Physiology (4)

Required supporting courses (17 credits)

SI 100 Academic Survival in College (1)
CHEM 151 General Chemistry (5)
CHEM 152 General Chemistry (5)
CHEM 153 General Chemistry (5)
SCED 390 Secondary Science Teaching Methods (1)

Select one of the following courses (5 credits)
MATH 142 Precalculus II (5)
or MATH 380 Probability and Statistics (5)

Required program credits 55–56 credits
Required supporting courses 22 credits
Minimum credits for above major 77 credits

Note: the above option requires more than 12 quarters to complete at 15 credits per quarter.
Bachelor of Science in Biology (BS)

Student Learning Outcomes—students will:

• demonstrate knowledge of evolution, diversity of life, and form and function of living organisms;
• interpret observations through the creation, testing, analysis of hypotheses;
• design laboratory or field experiments;
• inspect data and apply basic statistics to their analysis and communication.

• Write reports and prepare and deliver oral reports that:
  1. demonstrate ability to use scientific journals, periodicals, and electronic media to access current biological information;
  2. demonstrate ability to evaluate journal articles from the primary literature.

Biology Major (102–104 Credits)

Required Biology Courses (28 credits)
BIOL 171 Biology I (5)
BIOL 172 Biology II (5)
BIOL 173 Biology III (5)
BIOL 270 Biological Investigation (3)
BIOL 310 Fundamentals of Genetics (5)
BIOL 490 Department Senior Capstone (5)

Select one of the following courses (5 credits)
BIOL 301 Microbiology (5)
BIOL 302 Botany (5)
BIOL 303 Invertebrate Zoology (5)
BIOL 304 Vertebrate Zoology (5)

Select one of the following courses (4–5 credits)
BIOL 423 Evolution (5)
BIOL 440 Ecology (4)

Select one of the following courses (5 credits)
BIOL 436 Cell Biology (5)
BIOL 438 Molecular Biology (5)

Select one of the following courses (4–5 credits)
BIOL 334 Human Anatomy and Physiology III for Biology Majors (5)
BIOL 351 Comparative Animal Physiology (4)
BIOL 352 Principles of Plant Physiology (4)
BIOL 353 Principles of Microbial Physiology (4)

Required Supporting Courses (20 credits)
CHEM 151 General Chemistry (5)
CHEM 152 General Chemistry (5)
CHEM 153 General Chemistry (5)
MATH 161 Calculus I (5)
or MATH 380 Elementary Probability and Statistics (5)

Electives (36 credits)
Students 2007–Spring 2013, 25 of 40 electives must be Biology; Fall 2013, 21 of 36 electives must be Biology.

Required program credits 46–48 credits
Required supporting courses 20 credits
Required upper division elective credits 36 credits
Minimum total credits for above major 102 credits

Biology Major with Biotechnology Option (124 Credits)

Required Biology Courses (52 credits)
BIOL 171 Biology I (5)
BIOL 172 Biology II (5)
BIOL 173 Biology III (5)
BIOL 270 Biological Investigation (3)
BIOL 301 Microbiology (5)
BIOL 310 Fundamentals of Genetics (5)
BIOL 436 Cell Biology (5)
BIOL 438 Molecular Biology (5)
BIOL 485 Molecular Biotechnology (5)
BIOL 488 Molecular Biotechnology Lab (2)
BIOL 489 Topics in Molecular Biotechnology (2)
BIOL 490A Molecular Biotechnology Senior Capstone (5)

Select from among the following electives (10 credits)
BIOL 302 Botany (5)
BIOL 304 Vertebrate Zoology (5)
BIOL 420 Epidemiology (5)
BIOL 421 Medical Bacteriology (5)
BIOL 430 Immunology (5)
BIOL 432 Virology (5)
BIOL 460 Hematology (5)
BIOL 477 Embryology (5)
CHEM 481 Intermediary Metabolism (5)
CSCD 409 Scientific Programming (4)
MATH 162 Calculus II (5)

Required supporting courses (62 credits)
CHEM 151 General Chemistry (5)
CHEM 152 General Chemistry (5)
CHEM 153 General Chemistry (5)
CHEM 304 Quantitative Analysis (6)
CHEM 351 Organic Chemistry (4)
CHEM 352 Organic Chemistry (4)
CHEM 372 Organic Chemistry Lab I (3)
CHEM 480 Biochemistry (5)
MATH 161 Calculus I (5)
MATH 380 Elementary Probability and Statistics (5)
PHYS 131 Introductory Physics I (4)
PHYS 132 Introductory Physics II (4)
PHYS 133 Introductory Physics III (4)
or PHYS 151 General Physics I (4)
PHYS 152 General Physics II (4)
PHYS 153 General Physics III (4)
PHYS 161 Mechanics Laboratory I (1)
PHYS 162 Heat and Optics Laboratory I (1)

Required program credits 62 credits
Required supporting courses 62 credits
Total credits for above major 124 credits
MINORS

BIOLOGY MINOR (31–33 CREDITS)
This minor does not meet the endorsement requirement for teachers.

Required Biology Courses (18 credits)
BIOL 171 Biology I (5)
BIOL 172 Biology II (5)
BIOL 173 Biology III (5)
BIOL 270 Biological Investigation (3)

Select an additional 13–15 credits of upper-division biology courses.

Minimum total credits for above minor 31 credits

BIOLOGY/SECONDARY MINOR (48 CREDITS)
This minor satisfies the endorsement for grades 5–12.

Required Biology Courses (36 credits)
BIOL 171 Biology I (5)
BIOL 172 Biology II (5)
BIOL 173 Biology III (5)
BIOL 270 Biological Investigation (3)
BIOL 310 Fundamentals of Genetics (5)
BIOL 340 Biology and Society (2)
BIOL 423 Evolution (5)
BIOL 440 Ecology (4)
BIOL 441 Ecology Lab (2)

Select one of the following (5 credits)
BIOL 304 Vertebrate Zoology (5)
BIOL 303 Invertebrate Zoology (5)
BIOL 302 Botany (5)
BIOL 301 Microbiology (5)

Required Supporting Courses (9 credits)
CHEM 151 General Chemistry (5)
CHEM 152 General Chemistry (5)
CHEM 351 Organic Chemistry (4)
CHEM 352 Organic Chemistry (4)
CHEM 353 Organic Chemistry (4)

Total credits for above minor 48 credits

Course Requirements for Teacher Certification/Add-on Endorsements

GENERAL SCIENCE/ADD-ON ENDORSEMENT (65 CREDITS)
(For students who currently possess a Washington State Teaching Certificate.) This add-on satisfies the General Science endorsement and allows teachers to teach any science grades 5–12.

To improve their marketability as science teachers, students may wish to complete this option in addition to their BAE in Biology, Chemistry, Earth and Space Science or Physics.

Required Courses
BIOL 171 Biology I (5)
BIOL 172 Biology II (5)
BIOL 173 Biology III (5)
BIOL 390 Biology Teaching Methods (1)
CHEM 151 General Chemistry (5)
CHEM 152 General Chemistry (5)
CHEM 351 General Chemistry (5)
CHEM 390 Chemistry Methods for the Secondary School (1)
GEOG 314 Weather and Climate (5)
GEOG 120 Physical Geology–The Solid Earth (5)
GEOG 121 Physical Geology–Surficial Processes (5)
GEOG/GEOG 390 Earth Science Teaching Methods (1)
PHYS 121 Descriptive Astronomy (5)
PHYS 131 Introductory Physics I (4)
PHYS 132 Introductory Physics II (4)
PHYS 161 Mechanics Lab (1)
PHYS 162 Heat and Optics Lab (1)
PHYS 390 Physics Teaching Methods (1)
SCED 390 Secondary Science Teaching Methods (1)

Required program credits 41 credits
Required supporting credits 7 credits
Total credits for above add-on endorsement 65 credits
EASTERN WASHINGTON UNIVERSITY 2014–15

GRADUATE PROGRAM

Rebecca L. Brown, Admissions Coordinator  509.359.2528
Camille F. McNeely, Graduate Service Appointment Coordinator  509.359.7049
David Daberkow, Candidacy Coordinator  509.359.2259

biologymasters@ewu.edu

Eastern Washington University Department of Biology offers a Master of Science in Biology.

The Master of Science in Biology program provides a demanding and rewarding experience in biology, leading to competent scholarship and research capability. The program emphasizes research as a basic component of graduate study. A variety of research specialties are available within the department, including limnology, stream ecology, riparian ecology, fisheries biology, embryology, exercise physiology, neurobiology, wildlife biology, animal physiology, mycology, plant ecology, microbiology and immunology. More information on faculty research interests may be obtained by writing the appropriate graduate program advisor or accessing our website at www.biology.ewu.edu. Graduates of the biology program either continue in PhD programs, or are employed in various biological fields with federal, state and local agencies, environmental consulting firms, public and private schools or private industry.

The Master of Science in Biology curriculum includes core courses in Biological Research Methods; Graduate Seminar; Current Topics in Ecology/Evolution, Physiology, Cell/Molecular Biology, and Growth of Biological Thought; elective courses in advanced topics; and research thesis. In addition, an interdisciplinary master’s program is available that can incorporate biology (see separate catalog listing).

The Department of Biology is housed in a remodeled and well-equipped facility. The department administers the nearby Turnbull Laboratory for Ecological Studies on the Turnbull National Wildlife Refuge.

Graduate service appointments, with resident and non-resident tuition waivers, are available on a competitive basis to qualified graduate students. Nonresident students who do not qualify for a graduate service appointment can apply for nonresident tuition scholarship waivers. Other financial support is possible through work-study programs, hourly employment by the department or faculty research grants. All applicants are encouraged to submit an application for federal student aid which, for incoming students, must be received by the EWU Financial Aid Office by February 15 for support in the following academic year. Applications are available through the EWU Financial Aid Office.

Entrance Requirements and Preparation

To be admitted to the Master of Science in Biology program, applicants must first meet all requirements for admission to the Graduate School as outlined elsewhere in this catalog. Prospective MS applicants must hold a four-year baccalaureate degree in biology or related natural science from an accredited college or university. Preparation often includes the equivalent of two quarters of organic chemistry and one quarter of statistics or calculus. Students who have deficiencies for admission or deficiencies as determined by their graduate committee may be allowed to make up deficient coursework while enrolled in graduate school. Admission to the program will be considered when applicants have: 1) completed all admission requirements for the Eastern Washington University Graduate Studies Office, 2) submitted scores from the general GRE test, 3) provided a completed supplemental application to the Department of Biology and two evaluation/recommendation forms and 4) identified an appropriate faculty research advisor willing to serve as the major professor.

Graduate students wishing to be considered for a graduate service appointment must have their completed application, including a graduate fellowship application, to the Department of Biology by February 20. Applicants not seeking teaching fellowships must have their completed application to the Department of Biology by April 1, October 15 and January 15 for admission in the fall, winter and spring quarters, respectively.

Candidacy

To be admitted to candidacy, graduate students in the Master of Science in Biology program must have:

• completed 15 credit hours (at least 10 at the 500 level) but not more than one half of the total minimum credits required for the degree;
• removed all deficiencies regarding entrance requirements (deficient coursework cannot be counted toward a degree);
• met with their graduate committee to determine an appropriate course curriculum;
• had their research proposal approved by their internal graduate committee and presented their proposal to the Department of Biology;
• submitted the completed application form with research advisor’s and second committee member’s signatures to the appropriate biology graduate candidacy coordinator;
• had their candidacy approved by the Department of Biology faculty.

MASTEr OF SCIENCE IN BIOLOGY

Student Learning Outcomes—students will:

• write a research proposal that demonstrates the ability to determine the veracity and value of published information;
• conduct research project, analyze data, and write thesis;
• present completed research in an open forum seminar with question/answer session.

Graduate Core (16 credits)

BIOL 500 Research Seminar (1, 1)
BIOL 510 Biological Research Methods I (4)
BIOL 511 Biological Research Methods II (4)

Plus any three of the following (6 credits, though additional current topics may be taken for elective credits)

BIOL 512 Current Topics in Physiology (2)
BIOL 513 Current Topics in Cell and Molecular Biology (2)
BIOL 514 Current Topics in Ecology/Evolution (2)
BIOL 515 Growth of Biological Thought (2)

Electives (16 credits)

To be determined in consultation with student’s graduate committee. All 400 and 500 level courses may be used as electives; if a course is stacked as a 400- or 500-level course, students must enroll at the 500-level.

Thesis (14 credits)

To be determined in consultation with student’s graduate committee. All Master’s of Science in Biology students are required to conduct original research toward their Master’s thesis.

BIOL 600 Thesis Research (14 credits)

Required core credits  16 credits
Elective credits  16 credits
Thesis credits  14 credits
Minimum total credits for above master’s degree  46 credits

Teaching

All Master’s of Science students in biology are required to either teach at least one quarter as a paid teaching assignment or arrange a teaching experience in consultation with their graduate committee. Students who do not have a paid teaching assignment may arrange to receive BIOL 595 credit for the development and execution of this teaching experience.

Final Comprehensive Examination

The final comprehensive examination for the Master’s of Science in biology consists of a research seminar and an oral defense of the master’s thesis presented to the department. Immediately following the student’s seminar, an oral examination is administered by the student’s committee, which is composed of two or three departmental faculty members and a faculty member appointed by the Graduate Studies Office. The focus of the examination is the student’s thesis and general biology knowledge.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Prerequisites</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 233</td>
<td>Human Anatomy and Physiology</td>
<td>BIOL 211</td>
<td>This course will discuss micro-organisms and animal parasites, with chief emphasis on those which affect human health. A laboratory is included.</td>
</tr>
<tr>
<td>BIOL 234</td>
<td>Human Anatomy and Physiology (5) for Non-Biology Majors</td>
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<tr>
<td>BIOL 235</td>
<td>Elementary Medical Microbiology (5)</td>
<td>completion of or concurrent enrollment in both BIOL 214 and CHEM 163.</td>
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<tr>
<td>BIOL 270</td>
<td>Biological Investigation (3)</td>
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</tr>
<tr>
<td>BIOL 299</td>
<td>Special Studies Biology (1–5)</td>
<td>Prerequisite: permission of the instructor, department chair and college dean.</td>
<td>An opportunity for students to explore problems of special interest.</td>
</tr>
<tr>
<td>BIOL 301</td>
<td>Microbiology (5)</td>
<td>≥ 2.0 in BIOL 171, BIOL 173, and CHEM 153.</td>
<td>This course covers morphology, physiology, taxonomy, and ecology of the microorganisms, emphasizing prokaryotes, fungi and the viruses. A laboratory is included.</td>
</tr>
<tr>
<td>BIOL 302</td>
<td>Botany (5)</td>
<td>≥ 2.0 in BIOL 171, BIOL 173, and CHEM 153; completion of or concurrent enrollment in CHEM 151.</td>
<td>This course examines the structure, function and phylogenetic relationships in the plant kingdom. A laboratory is included.</td>
</tr>
<tr>
<td>BIOL 303</td>
<td>Invertebrate Zoology (5)</td>
<td>≥ 2.0 in BIOL 171, BIOL 173, and CHEM 151.</td>
<td>This course examines structure, function and phylogenetic relationships of the invertebrate phyla. A laboratory is included.</td>
</tr>
<tr>
<td>BIOL 304</td>
<td>Vertebrate Zoology (5)</td>
<td>≥ 2.0 in BIOL 171, BIOL 173, and CHEM 151.</td>
<td>This course explores the structure, function and phylogenetic relationships of the vertebrates. A laboratory is included.</td>
</tr>
<tr>
<td>BIOL 306</td>
<td>Natural Vegetation Ecology of North America (5)</td>
<td>GEOG 106, GEOG 100 or permission of the instructor.</td>
<td>This course addresses mechanisms by which plants obtain nutrients from the soil, and atmospheric channel of energy to chemical energy, and coordinate responses to shifting environmental conditions in roots, leaves and reproductive structures.</td>
</tr>
<tr>
<td>BIOL 310</td>
<td>Fundamentals of Genetics (5)</td>
<td>≥ 1.7 in BIOL 171 and CHEM 151.</td>
<td>This course explores the physiology of unicellular microorganisms. It includes topics on microbial replication and how microbes adapt to their environment through regulating gene expression, horizontal gene transfer and cell-cell communication.</td>
</tr>
<tr>
<td>BIOL 312</td>
<td>Fundamentals of Soil Science (4)</td>
<td>GEOG 312.</td>
<td>A general introduction to physical, chemical and biological properties of soils.</td>
</tr>
<tr>
<td>BIOL 318</td>
<td>Biology of Women (3)</td>
<td></td>
<td>This course will cover the history, biology and myths of human reproduction as they apply to women and the interaction of brain, hormones and social life.</td>
</tr>
<tr>
<td>BIOL 320</td>
<td>The Human Prospect (5)</td>
<td>HUMN 320.</td>
<td>Explores the biological and philosophical roots of humans' relationship with the environment.</td>
</tr>
<tr>
<td>BIOL 324</td>
<td>Entomology (4)</td>
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<tr>
<td>BIOL 331</td>
<td>Human Anatomy and Physiology I (5) for Biology Majors</td>
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<td>This is a three-quarter sequence covering the structure and function of the human body. Intended for students with significant background in biology and chemistry who are pursuing health care careers. A laboratory is included each quarter.</td>
</tr>
<tr>
<td>BIOL 332</td>
<td>Human Anatomy and Physiology II (5) for Biology Majors</td>
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<tr>
<td></td>
<td>Human Anatomy and Physiology III (5) for Biology Majors</td>
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</tr>
<tr>
<td>BIOL 333</td>
<td>Human Anatomy and Physiology III (5) for Biology Majors</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BIOL 334</td>
<td>Discovering Women in Science (1)</td>
<td>CHEM, GEOG, HIST, PHYS, PSYC, WIST.</td>
<td>The course uses several scientific themes to rediscover from the past and find in contemporary research, the women who have made significant contributions to science.</td>
</tr>
<tr>
<td>BIOL 340</td>
<td>Biology and Society (2)</td>
<td></td>
<td>This course will discuss biological, social, ethical and economic implications of current advances in the biological sciences.</td>
</tr>
<tr>
<td>BIOL 343</td>
<td>Biology of Aging (5)</td>
<td></td>
<td>This course will discuss the aging of biological organisms, viewed from the molecular level through the population level. The emphasis will be on human aging.</td>
</tr>
<tr>
<td>BIOL 351</td>
<td>Comparative Animal Physiology (4)</td>
<td>BIOL 173, CHEM 153.</td>
<td>An integrative and comparative understanding of the physiological systems of vertebrates and invertebrates, analyzing physiological processes from the cellular level upwards, culminating in organismal function and the relationship of animals to the environment.</td>
</tr>
<tr>
<td>BIOL 352</td>
<td>Principles of Plant Physiology (4)</td>
<td>BIOL 173, CHEM 153.</td>
<td>This course addresses mechanisms by which plants obtain nutrients from the soil, and atmospheric light energy to chemical energy, and coordinate responses to shifting environmental conditions in roots, leaves and reproductive structures.</td>
</tr>
<tr>
<td>BIOL 353</td>
<td>Principles of Microbial Physiology (4)</td>
<td>BIOL 173, CHEM 153.</td>
<td>This course explores the physiology of unicellular microorganisms. It includes topics on microbial replication and how microbes adapt to their environment through regulating gene expression, horizontal gene transfer and cell-cell communication.</td>
</tr>
</tbody>
</table>
Biology Courses

Biology 303, Biology 304, Chemistry 351.

Biology 390

Prerequisites:

≥1.7 in BIOL 171, ≥2.0 in BIOL 172, BIOL 173 and BIOL 270; co-requisite SCED 390.

This course is designed for individuals seeking endorsement to teach junior or senior high school biology or general science. Various types of biology programs, organization of lesson materials, techniques and laboratory safety are included in the course.

Biology 395

Internship/Co-op Fieldwork (1–15)

Prerequisite:

permission of the instructor, department chair and college dean; only 5 credits will be allowed toward the elective.

Biology 405

Linnology (5)

Prerequisites:

any one of BIOL 301, BIOL 302, BIOL 303, BIOL 304 or concurrent enrollment.

This course includes the general study of the physical, chemical and biological features of lakes and streams. A laboratory is included.

Biology 409

Myology (5)

Prerequisites:

any one of BIOL 301, BIOL 302, BIOL 303, BIOL 304 or concurrent enrollment.

This course includes discussion of the structure, physiology, ecology and taxonomy of microfungi and mushrooms with an emphasis on fungi of the Northwest. A laboratory is included.

Biology 411

Field Botany (5)

Prerequisite:

junior standing or permission of instructor.

The goal of this course is to gain an appreciation of natural history and the unique array of plants found in our region. This will be a practical, hands-on, field-based course where students learn how to identify plants.

Biology 420

Epidemiology (5)

Prerequisite:

BIOL 301.

This course is a study of the factors which determine the frequencies and distributions of communicable diseases among humans.

Biology 421

Medical Bacteriology (5)

Prerequisite:

BIOL 301.

This course addresses microbial agents of human disease, with an emphasis on bacteria.

Biology 423

Evolution (5)

Prerequisites:

BIOL 330 plus any one of BIOL 301, BIOL 302, BIOL 303, BIOL 304 or concurrent enrollment.

This course is a study of variation, adaptation and speciation in biological systems.

Biology 430

Immunology (5)

Prerequisites:

any one of BIOL 301, BIOL 303, BIOL 304 or permission of the instructor; BIOL 460 is recommended.

This course covers immune reactions of animals with principal emphasis on those associated with infectious diseases.

Biology 432

Virology (5)

Prerequisite:

any one of BIOL 301, BIOL 303, BIOL 304 or permission of the instructor; BIOL 460 is recommended.

This course includes coverage of the molecular biology of microbial, animal and plant viruses and their host-parasite relationships. Those viruses associated with human and animal diseases are emphasized.

Biology 435

Cancer (5)

Prerequisites:

≥2.2 in BIOL 173 or BIOL 234, CHEM 153 or CHEM 163.

A general study of human neoplasms.

Biology 436

Cell Biology (5)

Prerequisites:

≥1.7 in BIOL 171, ≥2.0 in BIOL 172, BIOL 173, BIOL 270, BIOL 310 and CHEM 153.

This course is a comprehensive study of cell biology from a structural and functional perspective.

Biology 438

Molecular Biology (5)

Prerequisites:

BIOL 301, BIOL 302 and one of BIOL 301, BIOL 302, BIOL 303, BIOL 304, CHEM 351.

This course includes study of gene structure, organization, function and regulation. Equal emphasis is given to the molecular processes and genetic phenomena of both prokaryotic and eukaryotic cells.

Biology 440

Ecology (4)

Prerequisites:

MAT 161 or MAT 180 and ≥2.0 BIOL 172, BIOL 173, BIOL 270 or permission of the instructor.

This course involves the study of factors which determine the distribution and abundance of organisms.

Biology 441

Ecology Lab (2)

Prerequisite:

current or prior enrollment in BIOL 440. A field and laboratory course which emphasizes testing ecological hypotheses.

Biology 442

Conservation Biology (4)

Prerequisites:

≥1.7 in BIOL 171, ≥2.0 in BIOL 172, BIOL 173, BIOL 270 or permission of the instructor; BIOL 440 recommended.

Conservation biology is a synthetic discipline that has arisen in response to the current unprecedented rates of extinction and draws on a wide range of basic sciences and applied fields to address the problem of loss of biological diversity. This course introduces students to the discipline of conservation biology, familiarizes students with literature in conservation biology and provides students with a forum for discussion of some major topics in conservation biology.

Biology 443

Wildlife Management (4)

Prerequisites:

≥1.7 in BIOL 171, ≥2.0 in BIOL 172, BIOL 173 and BIOL 270 or permission of the instructor; BIOL 440 recommended.

This course will address historical and political development of wildlife management, the ecological principles that underpin management decisions, primary approaches to management and current management issues.

Biology 444

Field Ecology (4)

Prerequisites:

BIOL 423 or BIOL 440 or permission of the instructor.

In this course students conduct observational and/or experimental field studies designed to answer contemporary ecological questions. The course emphasizes hypothesis testing, study design, field techniques, data analysis and written and oral study presentation. May emphasize aquatic ecology, terrestrial ecology or both may be emphasized.

Biology 445

Stream Ecology (5)

Prerequisite:

one of: BIOL 301, BIOL 302, BIOL 303, BIOL 304; or permission of instructor.

This course covers the diverse ecological functions of streams and their roles in global processes. The primary focus is on ecosystem function. Stream organisms and their communities are also covered. Laboratories include field work, laboratory techniques, data analysis and a final project for measuring rates of stream ecosystem processes and investigating stream communities.

Biology 446

Riparian Ecology (5 alt)

Prerequisites:

≥1.7 in BIOL 171, ≥2.0 in BIOL 172, 173 and BIOL 270 or permission of instructor.

This course will focus on riparian areas (riparia), which experience intermittent flooding by water moving within a catchment. Riparia form the interface between terrestrial and aquatic habitats and perform critical ecosystem functions. This class will address riparian physical processes, biotic adaptations, human impacts, conservation, restoration and management.

Biology 450

Mammalogy (5 alt)

Prerequisites:

any one of BIOL 301, BIOL 303, BIOL 304 or permission of the instructor.

This course involves the study of variation, adaptation and speciation in biological systems.

Biology 454

Ornithology (5 alt)

Prerequisite:

BIOL 304 or permission of the instructor.

This course covers the classifications, life histories and ecology of birds. A laboratory is included.

Biology 460

Hematology (5)

Prerequisites:

any one of BIOL 301, BIOL 303, BIOL 304 or BIOL 305; or permission of the instructor.

This course involves the study of factors which determine the distribution and abundance of organisms.

Biology 462

Ichthyology (5)

Prerequisites:

≥2.0 in BIOL 172, BIOL 173, BIOL 270 or permission of the instructor.

This course is a systematic and ecological study of fishes with emphasis on the freshwater fishes of the U.S. A laboratory is included.

Biology 463

Fisheries Biology and Management (5)

Prerequisites:

≥2.0 in BIOL 172, BIOL 173, BIOL 270 or permission of the instructor.

This course covers the development of the biological basis of fisheries management and the role of fish populations as sources of food and recreation for humans.

Biology 470

Biological Illustration (5)

Prerequisites:

≥2.2 in BIOL 172, BIOL 173, BIOL 270 or permission of the instructor.

The emphasis in this course is placed on developing the various techniques commonly used in rendering biological illustrations that are suitable for publication.

Biology 471

Pre-Med, Dent, Vet and Pharm Preparation (1–2)

Prerequisite:

junior standing or permission of the instructor.

Prepares students for their interviews for medical, dental, veterinary or professional schools and for professional activities. Discusses medical ethics and presents students with a wide range of dilemmas associated with the medical field and has students work toward resolutions.

Biology 476

Muscle Physiology (3)

Prerequisite:

BIOL 332 or permission of the instructor.

This course examines the structure, function and regulation of muscle tissue with emphasis on skeletal muscle.

Biology 477

Embryology (5)

Prerequisite:

BIOL 310.

This course examines the dynamics, physical features and mechanisms of early organismic development from both the classical embryology and modern genetic perspective. Emphasis is placed on mammalian embryology. Also discussed are state-of-art technologies currently in use in medical and veterinary practice and in research.

Biology 479

Clinical Laboratory Theory and Practicum I (6)

Prerequisite:

admission to Professional Training at Sacred Heart Medical Center.

Biology 479 is a clinical laboratory science course, which will begin at the affiliate hospital in the latter part of summer of a student’s junior year. It includes lecture and laboratory instruction in clinical immunohematology, clinical chemistry, phlebotomy, clinical hematology, clinical microscopy and urinalysis, clinical blood banking, transfusion techniques and clinical microbiology.

Biology 480

Clinical Laboratory Theory and Practicum II (12)

Prerequisite:

BIOL 479.

Biology 480 is the second course in clinical laboratory science at the affiliate hospital. Students will review basic and advanced information in immunohematology, clinical chemistry, clinical hematology, clinical microbiology, clinical immunology, medical mycology and phlebotomy techniques. Students will perform patient laboratory testing under the guidance of trained professionals.

Biology 481

Freshwater Invertebrate Zoology (5)

Prerequisites:

≥2.0 in BIOL 172, BIOL 173, BIOL 270 required; BIOL 405 or BIOL 440 is recommended.

This is a field course stressing the collection, preservation and identification of freshwater invertebrates. A laboratory is included.
BIOL 482 Clinical Laboratory Theory and Practicum III (12)  
Prerequisite: BIOL 481. 
BIOL 482 is the third course in clinical laboratory science at the affiliate hospital. Students continue to study advanced clinical immunohematology, clinical chemistry, clinical microbiology and clinical hematology. During this course, students will perform actual patient laboratory testing under the guidance of trained professionals.

BIOL 483 Clinical Laboratory Theory and Practicum IV (12)  
Prerequisite: BIOL 482. 
BIOL 483 is the fourth course in clinical laboratory science at the affiliate hospital. Students will learn financial and quality management of clinical laboratory, ethics and professional behavior. Students will continue their training in advanced diagnostics in clinical microbiology, clinical chemistry, hematology and immunohematology. During this course, students will perform actual patient laboratory testing under the guidance of trained professionals.

BIOL 485 Molecular Biotechnology (5)  
Prerequisites: BIOL 301, BIOL 310, CHEM 480. 
A study of the concepts, experiments and industrial applications of molecular biology: recombinant DNA protocols, plasmids and cloning, DNA, RNA and protein sequence and synthesis, monoclonal antibodies and cell fusion, solid support methodology, bioenergy reactions, biomass and secondary metabolite production and biodegradation.

BIOL 488 Molecular Biotechnology Laboratory (2)  
Prerequisite: BIOL 485 or concurrent enrollment. 
Experiments include basic analytical and separatory techniques, analytical and preparative fermentations, restriction analysis of viral DNA, RNA labelling and sequencing, tissue fractionation and lectin affinity chromatography, DNA cloning, screening and blot analysis, mammalian cell culture and fusion, immunohemotaxy and in vitro translation.

BIOL 489 Topics in Molecular Biotechnology (2)  
Prerequisite: BIOL 485, BIOL 488. 
Readings and discussions of research and issues in molecular biotechnology.

BIOL 490 Department Senior Capstone (5)  
Prerequisites: senior standing (15 credits), BIOL 310, and one of following: BIOL 301, BIOL 302, BIOL 303 or BIOL 304. 
Satisfies: senior capstone university graduation requirement. 
Integrated Studies in Form and Function, Integrated Studies in Microbial and Molecular Biology or Integrated Studies in Ecology and Evolutionary Biology. See your major department advisor for the appropriate section number. A laboratory is included.

BIOL 490A Capstone in Biotechnology (5)  
Prerequisites: senior standing, BIOL 485, BIOL 488, BIOL 489. 
Satisfies: senior capstone university graduation requirement. 
This capstone course is specific to the Biotechnology Option. Integration of lecture and laboratory experience to culminate in research project. See your major department. A laboratory is included.

BIOL 491 Senior Thesis (20)  
Prerequisite: BIOL 483. 
BIOL 491 is Senior Thesis in clinical laboratory science at the affiliate hospital. Students will have lectures in ethics and professional behavior, management information and participate individually in small clinical laboratory experience and continue their training as advanced diagnostic work in clinical microbiology, clinical chemistry, hematology and immunohematology. During this course, students will perform actual patient laboratory testing under the guidance of trained professionals. An individual senior project integrating practical and theoretical topics will be the culmination of this course.

BIOL 495 Professional Internship (1–15)  
Note: only 5 credits will be allowed toward the option. 
Prerequisite: permission of the instructor, department chair and college dean.

BIOL 496 Experimental Courses and Research Courses (1–5)  

BIOL 497 Workshops, Short Courses, Conferences (1–5)  

BIOL 498 Seminar (1–2)  
Prerequisite: advanced standing in departmental program.

BIOL 499 Directed Study (1–5)  
Prerequisite: permission of the instructor, department chair and college dean.

BIOL 500 Research Seminar (1)  
Note: must be repeated for at least 2 credits. 
Prerequisite: permission to graduate program in biology.

BIOL 501 Seminar Programming (1)  
Note: graded Pass/No Credit; students shall be enrolled in BIOL 501 during all quarters of residence when not enrolled in BIOL 500. 
Prerequisite: admission to graduate program in biology or permission of the instructor.

BIOL 502 Biotechnology (2)  
Prerequisite: BIOL 301, BIOL 302, BIOL 303 or BIOL 304. 
Students develop and present seminars on their research to an audience of peers and faculty.

BIOL 503 Laboratory (2)  
Prerequisite: BIOL 485 or concurrent enrollment. 
This course will explore modern developments across the molecular and cell biology disciplines. Topics will build on research expertise of faculty as well as current literature. These areas include environmental and mechanistic aspects of DNA, immuno-pathology, embryo physiology.

BIOL 505 Limnology (5)  
Prerequisite: admission to graduate program. 
An in-depth study of the physical, chemical and biological features of lakes and streams incorporating independent field work and/or synthesis of primary literature.

BIOL 509 Mycology (5)  
Prerequisite: admission to graduate program or permission of the instructor. 
Structure, physiology, ecology and taxonomy of microfungi and mushrooms, with an emphasis on fungi of the Northwest and on the design and implementation of independent mycological experiments.

BIOL 510 Biological Research Methods I (4)  
Prerequisite: permission of the biology master's program or permission of the instructor. 
Methods of biological research, including scientific writing and presentation, utilization of scientific literature and a brief introduction to experimental design and data analysis.

BIOL 511 Biological Research Methods II (4)  
Prerequisite: BIOL 510. 
This course will explore applications of observational and experimental study design and expose students to quantitative hypothesis tests appropriate for the biological sciences.

BIOL 512 Current Topics in Physiology (2)  
Note: may be repeated for credit. 
Prerequisite: permission to the biology master's program or permission of the instructor.

BIOL 513 Current Topics in Cell and Molecular Biology (2)  
Note: may be repeated for credit. 
Prerequisite: permission to the biology master's program or permission of the instructor.

BIOL 514 Current Topics in Ecology/ Evolution (2)  
Prerequisite: permission to the biology master's program or permission of the instructor. 
Current readings on selected topics of ecology and evolution. Topics will depend upon interests of instructor and students. Possible topics include: evolution of mating systems, aquatic ecology, community ecology, microevolutionary processes, population dynamics, evolution of life history strategies.

BIOL 515 Growth of Biological Thought (2)  
Prerequisite: permission to the biology master's program or permission of the instructor.

This course will include readings on topics such as changing biological paradigms, philosophies and ethical behavior of biologists in their historic as well as current context. Topics will be developed in relation to antecedent discoveries, available technology, political events and social climate.

BIOL 519 Review of Literature (4)  
Prerequisites by faculty and graduate students of current biological research papers.

BIOL 520 Epidemiology (5)  
Prerequisite: permission to graduate program or permission of the instructor.

A study of the factors which hold the frequencies and distributions of the communicable diseases among humans with an emphasis on independent synthesis of current literature.

BIOL 521 Medical Bacteriology (5)  
Prerequisite: BIOL 301. 
The microbial agents of human diseases, with an emphasis on bacteria.

BIOL 530 Immunology (5)  
Prerequisite: permission to graduate program or permission of the instructor.

Immune reactions of animals with principal emphasis on those associated with infectious diseases. Students will conduct primary literature review.

BIOL 532 Virology (5)  
Prerequisite: permission to graduate program or permission of the instructor. 
The molecular biology of microbial, animal and plant viruses, especially those viruses associated with human and animal diseases and their host-parasite relationships with an emphasis on synthesis of primary literature.

BIOL 535 Biology of Cancer (5)  
Prerequisite: permission to graduate program or permission of the instructor. 
An advanced study of human neoplasms through synthesis of current literature.

BIOL 536 Cell Biology (5)  
Prerequisite: permission to graduate program or permission of the instructor. 
A comprehensive study of cellular biology from a structural and functional perspective incorporating independent laboratory and/or synthesis of primary literature.

BIOL 539 Special Topics (1–5)  

BIOL 542 Conservation Biology (4)  
Prerequisite: BIOL 301, BIOL 302, BIOL 303 or BIOL 304. 
Conservation biology is a synthetic discipline that has arisen in response to the unprecedented rates of extinction and draws on a wide range of basic sciences and applied fields to address the problem of loss of biological diversity. This course examines the discipline of conservation biology, familiarizes students with literature in conservation biology and provides students with a forum for discussion of some major topics in conservation biology. Students incorporate independent field work and/or synthesis of primary literature.
BIOL 543  Wildlife Management (4)  
Prerequisite: admission to graduate program or permission of the instructor.

An examination of the historical and political development of wildlife management, the ecological principles that underpin management decisions, primary approaches and current management issues incorporating independent field work and/or synthesis of primary literature.

BIOL 546  Riparian Ecology (5)  
Prerequisite: admission to the Biology Master's Program or permission of the instructor.

This course will focus on riparian areas (riparia), areas which experience intermittent flooding by water moving within a catchment. Riparia form the interface between terrestrial and aquatic habitats and perform critical ecosystem functions. This class will address riparian physical processes, biotic adaptations, human impacts, conservation, restoration and management.

BIOL 550  Mammalogy (5)  
Prerequisite: admission to graduate program or permission of the instructor.

The classifications, life histories and ecology of mammals with an emphasis on independent field or literature review studies.

BIOL 554  Ornithology (5)  
Prerequisite: admission to graduate program or permission of the instructor.

Natural history and taxonomy of birds with an emphasis on independent field or literature review studies.

BIOL 560  Hematology (5)  
Prerequisite: admission to graduate program or permission of the instructor.

An in-depth study of the morphology and hemostasis of the normal and abnormal human hematological system incorporating primary literature review and seminar preparation.

BIOL 562  Ichthyology (5)  
Prerequisite: admission to graduate program or permission of the instructor.

An in-depth systematic and ecological study of fishes, especially the freshwater fishes of the U.S., incorporating review of primary literature and independent field research.

BIOL 563  Fisheries Biology and Management (4)  
Prerequisite: admission to graduate program or permission of the instructor.

Development of the biological basis of fisheries management and the role of fish population as sources of food and recreation for humans. Synthesis of this information by developing a comprehensive management plan for a particular species or body of water.

BIOL 576  Muscle Physiology (3)  
Prerequisite: BIOL 235 or BIOL 456 or BIOL 490.

The structure, function and regulation of muscle tissue, with an emphasis on skeletal muscle.

BIOL 581  Freshwater Invertebrate Zoology (5)  
Prerequisite: admission to graduate program or permission of the instructor.

A field course incorporating techniques used in the collection, preservation and identification of freshwater invertebrates into independent field research.

BIOL 585  Molecular Biotechnology I (5)  
Prerequisite: admission to graduate program or permission of the instructor.

An in-depth examination of animal and plant cell culture and microbial fermentation from the perspective of physiology and biochemical engineering.

BIOL 588  Molecular Biotechnology Laboratory (2)  
Prerequisite: admission to graduate program or permission of the instructor.

Advanced quantitative procedures in recombinant DNA and monoclonal antibodies.

BIOL 589  Molecular Biotechnology Laboratory (2)  
Prerequisite: admission to graduate program or permission of the instructor.

Advanced quantitative procedures in recombinant DNA and monoclonal antibodies.

BIOL 596  Experimental Course (1–5)  
BIOL 597  Workshops (1–5)  
Note: only one workshop course for up to 3 credits may be used to fulfill graduate degree requirements.

BIOL 598  Seminar (1–5)  
BIOL 599  Independent Study (1–5)  
Prerequisites: permission of the instructor, department chair and college dean.

BIOL 600  Thesis Research Project (1–10)  
Prerequisites: permission of the instructor, department chair and college dean.

Thesis will represent culmination of original research under direction of graduate committee.

BIOL 601  Research Report (1–10)  
Prerequisites: permission of the instructor, department chair and college dean.

Non-thesis directed research. Not available for Master of Science in Biology.

SECONDARY SCIENCE

Teaching Course

Terms offered: if no terms are indicated, check with the department or EagleNET.

SCED 390  Secondary Science Teaching Methods (1)  
Prerequisite: EDUC 303 or by permission of the instructor.

This course is designed for biology, chemistry, earth and space science and physics majors and individuals seeking endorsement to teach senior high school. Students will study types of science programs, organization of lesson materials, techniques, laboratory safety and evaluation.
The College of Business and Public Administration at Eastern offers excellent business programs taught by a mix of research producing, terminally qualified faculty and practitioners who are deeply engaged in their professions.

The College is known for these strengths:
- Business Administration degrees accredited by AACSB-International
- classes which allow participation and personal attention
- excellent computer systems and labs available to students
- many opportunities to engage in practical research with professors
- day and evening classes
- internship opportunities

A solid theoretical foundation balanced with practical application is critical to being successful in business. Eastern Washington University's business programs provide that balance, with emphasis on analysis, critical thinking and intellectual inquiry. An understanding of the economic, social, ethical and legal business environment—along with principles of accounting, finance, management, marketing, production and quantitative analysis, all taught from a global perspective—is part of all Eastern's business programs.

Preparation Information for Business: The College of Business and Public Administration recognizes the importance of certain basic skills for a career in business. Students planning to enter a degree program in Business Administration are encouraged to prepare through coursework in written and oral communications, mathematics and computer fundamentals. These skills will be further developed through coursework in the Business Administration curriculum. All Business Administration students are encouraged to enroll in BUED 302 Business Communication to supplement their communication skills.

Transferring Business Courses from Other Institutions: Eastern Washington University has articulated agreements with all community colleges in the state of Washington and with certain community colleges in Idaho, Montana and Oregon regarding the transferability of courses into four-year degree programs. Students planning on transferring from these schools are encouraged to consult with their community college counselor and with the Academic Advisors for Undergraduate Business Programs at EWU regarding transferability of courses in Business Administration.

Coursework of students transferring from other institutions of higher education is evaluated on a course-by-course basis to determine equivalence to EWU Business Administration courses. Students seeking a degree in Business Administration must complete a minimum of 50 percent of business credit hours required for the degree in residence at EWU. Additionally, students must complete a minimum of 50 percent of the required courses in the major at EWU. Students seeking a minor in Business Administration, Decision Science, International Business or Management Information Systems must complete a minimum of 12 credits in the minor at EWU.

It is the policy of the College of Business and Public Administration that students, once admitted to and pursuing a course of study at EWU in Business Administration, will take their required courses at EWU. A student wishing to take a course at another institution with the intention to transfer that course into his/her degree program at EWU must receive approval from either the Business Undergraduate Program Advisors (lower division courses) or the appropriate department chair (upper division courses).

Course Enrollment Policies: Undergraduate Business Administration courses are offered under the following prefixes:

<table>
<thead>
<tr>
<th>Business Administration</th>
<th>ACCT Accounting</th>
<th>MGMT Management</th>
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</thead>
<tbody>
<tr>
<td>BUED Business/Marketing Education</td>
<td>MISC Management Information Systems</td>
<td></td>
</tr>
<tr>
<td>DSCI Decision Science</td>
<td>MKTG Marketing</td>
<td></td>
</tr>
<tr>
<td>FINC Finance</td>
<td>OPSM Operations Management</td>
<td></td>
</tr>
<tr>
<td>HUMR Human Resource Management</td>
<td>IBUS International Business</td>
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</table>

Business Administration courses numbered 300 and above (with the exception of BUED 302, DSCI 346, MGMT 326, MISC 311, MKTG 310, FINC 335 and OPSM 330) are intended for students who either:
1. are formally admitted to the BAB program or
2. have post-baccalaureate standing and have completed the prerequisite courses or
3. have formally declared majors in another degree program, have completed the prerequisite courses and have the appropriate clearances and class standing, and are taking the course for one of the following reasons:
   a. required for their major;
   b. required for their minor;
   c. fulfills a GECR, or International Studies requirement.

Students are also expected to satisfy course prerequisites as listed in this catalog. Students who do not meet one of the above criteria, or who have not satisfied course prerequisites, will be dropped from the course.

Required courses in the following programs of study may have prerequisites. Reference the course description section for clarification.

BACHELOR OF ARTS IN BUSINESS ADMINISTRATION (BAB)

Admission Requirements for the College of Business and Public Administration Bachelor of Arts in Business Administration: The College of Business and Public Administration has specific requirements for formal admission into the Bachelor of Arts in Business Administration (BAB) degree program. These requirements must be met before continuation into upper division business courses. Contact the Academic Advisors for Undergraduate Business Programs for current requirements.

Grade Requirements for Graduation—Students seeking a BAB degree must achieve:
1. a minimum grade ≥2.0 in each course required for the major;
2. formal admission to the BAB program;
3. a minimum GPA ≥2.5 for all upper division Business Administration core courses as well as required and elective courses taken to fulfill requirements for the major area.

Students seeking a minor in Business Administration, Decision Science, International Business or Management Information Systems must achieve a minimum grade ≥2.0 in each course that fulfills a requirement for the minor.

Course Repeat Policy

The Undergraduate Business Program’s course repeat policy limits students to three graded attempts for each requirement for their business major or minor, including all requirements listed on the business administration core and business classes required for the major or minor. If a requirement for the major or minor is not successfully completed with a minimum grade ≥2.0 on the third graded attempt, the student will be dropped from the program.

For fulfillment of each course requirement, the business program will consider the first three times a student completes the course; further attempts of the course will not be accepted. In accordance with EWU’s repeat policy, only the most recent of the (first) three completions will be accepted. Completion is defined as receiving a final grade in the course. A student who has been denied admission to the business program or who has been dropped from the program based on application of this
policy may seek admission into the program or continuation through petition to the Dean of the College of Business and Public Administration.

The policy applies to all business program core, major and minor requirements and includes graded attempts of these requirements at colleges and universities other than EWU. For the specific requirements, refer to the General Undergraduate Catalog or the Business Advising website.

It is anticipated that enforcement of the policy will not be handled automatically by the student information system but will require review of transcripts at the time of admission to the business program and/or review of transcript/graduation forms just prior to graduation. Information as to the policy and the student’s obligation to understand and follow it will be included on program advising information and admission forms in EWU catalog information.

When a student declares business administration as a degree program, the student will be informed of this policy by the business advisor. If a student applying for formal admission to the business program has completed a business program requirement a third time with a grade lower than a 2.0, the student will be informed by the business advisor that the student is not admissible and that further attempts of the course will not be considered. If a student has been formally admitted to the business program and then completes a business program requirement a third time with a grade lower than 2.0, the student will be dropped from the program and informed by the business advisor that further attempts of the course will not be considered. (Go to [www.ewu.edu/businessadvising](http://www.ewu.edu/businessadvising) for details.)

**Major Field Test (MFT) Requirement**
For more information on the MFT, see [www.ewu.edu/cbpa/mft-assessment](http://www.ewu.edu/cbpa/mft-assessment).

**Program Location**
The Bachelor of Arts in Business Administration (BAB) is offered at three locations: at Eastern’s main campus in Cheney, EWU Spokane at the Riverpoint Campus and in Bellevue at Bellevue College. All Business Administration core courses are available at all locations.

The following majors are available:

<table>
<thead>
<tr>
<th>on the Cheney campus</th>
<th>in Spokane</th>
<th>in Bellevue</th>
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</thead>
<tbody>
<tr>
<td>Accounting, Professional</td>
<td>Accounting, Professional</td>
<td>Management</td>
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<tr>
<td>Economics</td>
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<td>Finance</td>
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<td>Management</td>
<td>Management</td>
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<tr>
<td>Management Information Systems</td>
<td>Management Information Systems</td>
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<tr>
<td>Marketing</td>
<td>Marketing</td>
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</tbody>
</table>

Support services, including registration and advising from both the Undergraduate Program Advisor for Business and from faculty members, is available at three locations.

**Degree Requirements for Bachelor of Arts in Business Administration**
All students seeking a degree in Business Administration must complete the Business Administration Core plus courses for at least one major.

**Student Learning Outcomes—students will:**
- develop an understanding of ethical issues that influence business operations along with an awareness of various stakeholders affected by business activities;
- develop an awareness and understanding of the cultural issues that impact business operations in a global society;
- understand and use team building and collaborative behaviors to accomplish group tasks;
- understand and utilize financial tools and analytic techniques (e.g., financial statements analysis, budgeting, and valuation) to make and justify important financial decisions;
- identify and perform appropriate quantitative analyses when given a particular business problem.

**FINANCE MAJOR (95–96 CREDITS)**

**Student Learning Outcomes—students will:**
- understand and be able to apply the time value of money;
- be able to conduct long-term financial analysis in real-world domestic and international applications;
- be able to integrate the cost of capital (derived from risk, capital structure and market factors) into financial analyses;
- be able to conduct short-term financial analysis including cash-flow projections;
- understand how modern securities including derivatives can be used to achieve investment and risk-management objectives.

The Finance major is for those students with career objectives in the financial management of business firms, banking and other financial institutions, insurance and the securities industries. The course of study analyzes the investment needs, financial requirements and financial performance of business firms. It also is concerned with the role played by financial institutions and security markets in meeting the vital financial needs of business firms, investors and consumers.

Courses taken for the Finance Major beyond the required Business Administration core are not counted double toward the Marketing Major, the Human Resource Management Option, the Operations Management Option or the General Business Option.

**Required Business Administration Core (69 credits)**

**Upper Division Courses**
- DSCI 346 Advanced Data Analysis for Business (4)
- FINC 335 Financial Management (4)
- FINC 436 Financial Derivatives (4)
- FINC 435 Capital Budgeting and Long-Term Financing (4)

**Electives (4–5 credits)**
Select approved, related electives in consultation with your faculty advisor.

**Required business administration core**
- 69 credits

**Required program credits**
- 22 credits

**Elective credits**
- 4–5 credits

**Minimum total credits for above major**
- 95 credits
MANAGEMENT MAJOR

Students interested in learning about management should consider the Management major. Within this major students can follow three options: General Business Option, Human Resource Management Option and Operations Management Option.

Required Business Administration Core (69 credits)

Lower Division Courses
ACCT 251 Principles of Financial Accounting (5)
ACCT 252 Principles of Managerial Accounting (4)
ACCT 261 Business Law (4)
DSCI 245 Data Analysis for Business (4)
ECON 200 Introduction to Microeconomics (5)
ECON 201 Introduction to Macroeconomics (5)
ENGL 201 College Composition: Analysis, Research and Documentation (5)
MATH 142 Precalculus II (5)
or MATH 161 Calculus I (5)
or MATH 200 Finite Mathematics (5)

Upper Division Courses
DSCI 346 Advanced Data Analysis for Business (4)
FINC 335 Financial Management (4)
MKTG 310 Principles of Marketing (4)
MISC 311 Information Technology in Business (4)
MKTG 310 Principles of Marketing (4)
OPSM 330 Operations Management (4)

Note: students are required to take the MFT as a business program requirement during the quarter the student takes the senior capstone for business.

Note: ECON 200 and ECON 201 are considered supporting courses and may be used to fulfill GECRs as well as requirements for the Business Administration degree. However, these courses are not counted toward the total of 180 credits for graduation.

GENERAL BUSINESS OPTION (93 CREDITS)

Student Learning Outcomes—students will:

• know the vocabulary of the business disciplines;
• know the purpose and responsibilities of each business function: accounting, finance, human resource management, operations and marketing;
• explain key business concepts in each of the business functions, such as the 4 P’s of marketing, motivation theories, time-value of money and financial statements;
• gather, prepare and analyze information necessary to make rational business decisions;
• demonstrate judgment, communication skill and quantitative techniques necessary to solve typical business problems.

Students interested in learning the basic theory and principles of business that are crucial to effective organizational performance and communication across business disciplines should consider the General Business Option. The student has the opportunity to study management as applied to specific areas, including marketing, finance, operations management and management information systems.

Courses taken for the General Business Option beyond the required Business Administration Core are not counted double toward the Finance Major, the Marketing Major, the Operations Management Option or the Human Resource Option.

Required Courses (8–9 credits)
BUED 302 Business Communications (4)
or CMST 351 Communicative Reasoning (5)
or TCOM 205 Introduction to Technical Communication (5)
HUMR 328 Human Resource Management (4)

Electives (16 credits)
Select approved, related electives in consultation with your faculty advisor.

Required business administration core 69 credits
Required program credits 8–9 credits
Elective credits 8–10 credits
Minimum total credits for above option 93 credits

HUMAN RESOURCE MANAGEMENT OPTION (93–95 CREDITS)

Student Learning Outcomes—students will:

• be able to understand and deal with the influence of the major environmental factors that affect HRM activities;
• possess the knowledge and skills needed to effectively manage the staffing function;
• possess the knowledge and skills needed to effectively manage the compensation function;
• possess the knowledge and skills needed to conduct effective training and development activities;
• possess the knowledge and skills needed to effectively manage labor relations and employee safety and health.

The Human Resource Management option focuses on tools, techniques and methods used to maximize satisfaction for both the employer and employee. This option applies human resource management and general management theories to the actual management of the human resources of the organization. Topics covered include equal opportunities, safety and health, compensation, training and development, performance appraisal, motivation and job satisfaction and retirement.

Courses taken for the Human Resource Management Option beyond the required Business Administration Core are not counted double toward the Finance Major, the Marketing Major, the Operations Management Option or the General Business Option.

Required Courses (16 credits)
HUMR 328 Human Resource Management (4)
HUMR 427 Compensation Administration (4)
HUMR 429 Current Issues in Human Resource Management (4)
MGMT 471 Multinational People Management (4)

Electives (8–10 credits)
Select approved, related electives in consultation with your faculty advisor.

Required business administration core 69 credits
Required program credits 16 credits
Elective credits 8–10 credits
Minimum total credits for above option 93 credits

OPERATIONS MANAGEMENT OPTION (93–95 CREDITS)

Student Learning Outcomes—students will:

• know the vocabulary of the operations management discipline;
• explain key operations management concepts such as operations strategy, planning, scheduling, processes and their relationships;
• apply operations management concepts to solve operations management problems such as related to planning, scheduling, the supply chain and quality management;
• calculate resource allocations using operations management tools and techniques and analyze performance using appropriate quantitative methods;
• assess a company’s resource needs based on weekly shifts in simulated operations performance.

The Operations Management Option is for students interested in the daily management activities of an organization. It prepares students with techniques and objectives to help service oriented and/or manufacturing oriented organizations achieve their objectives. Topics that are covered include productivity measures, demand forecasting, location analysis, layout analysis, process choice, scheduling, quality management and supply chain management.

Courses taken for the Operations Management Option beyond the required Business Administration Core are not counted double toward the Finance Major, Marketing Major, the Human Resource Management Option, and the General Business Option.

Required Courses (16 credits)
DSCI 446 Business Forecasting (4)
OPSM 425 Service and Operations Analysis (4)
OPSM 428 Global Supply Chain Management (4)
OPSM 441 Quality Management (4)

Electives (8–10 credits)
Select approved, related electives in consultation with your faculty advisor.

Required business administration core 69 credits
Required program credits 16 credits
Elective credits 8–10 credits
Minimum total credits for above option 93 credits
MANAGEMENT INFORMATION SYSTEMS MAJOR (97–98 CREDITS)

Student Learning Outcomes—students will:

- acquire MIS technical skills, including programming principles, database principles, networking and data communications;
- demonstrate problem-solving abilities by applying MIS technical skills, including business application program design, business database design;
- demonstrate MIS project development skills through system analysis and design and demonstrate MIS/IT project management skills and team skills.

The major in Management Information Systems is oriented toward developing specialists who can design, implement and manage business information systems. Upon completion, the student should be able to understand both the technical aspects of these systems and the complexities of their management. Depending upon the electives chosen, the student may prepare for entry-level positions in either the technical areas of data processing or in staff support roles in the various functional areas of business.

Required Business Administration Core (69 credits)

Lower Division Courses
- ACCT 251 Principles of Financial Accounting (5)
- ACCT 252 Principles of Managerial Accounting (4)
- ACCT 261 Business Law (4)
- DSCI 245 Data Analysis for Business (4)
- ECON 200 Introduction to Microeconomics (5)
- ECON 201 Introduction to Macroeconomics (5)
- ENGL 201 College Composition: Analysis, Research and Documentation (5)
- MATH 142 Precalculus II (5)
- or MATH 161 Calculus I (5)
- or MATH 200 Finite Mathematics (5)

Upper Division Courses
- DSCI 346 Advanced Data Analysis for Business (4)
- FINC 335 Financial Management (4)
- MGMT 326 Organization Theory and Behavior (4)
- MGMT 423 Business and Society (4)
- MGMT 490 Department Senior Capstone (4)
- MISC 311 Information Technology in Business (4)
- MKTG 310 Principles of Marketing (4)
- OPSM 330 Operations Management (4)

Note: students are required to take the MFT as a business program requirement during the quarter the student takes the senior capstone for business.

Required Courses (20–21 credits)
- MISC 372 Business Applications Program Design (4)
- MISC 374 Data Communications and Networking Fundamentals (4)
- MISC 375 Business Database Application (4)
- MISC 481 Systems Analysis and Design (4)
- MISC 482 Systems Project (4)

Electives (8 credits)
Select approved, related electives in consultation with your faculty advisor.

Required program credits 20–21 credits
Elective credits 8 credits
Minimum total credits for above major 97 credits

MARKETING MAJOR (93–95 CREDITS)

Student Learning Outcomes—students will:

- analyze the impact of marketing environments on marketing strategy and performance;
- explain and apply consumer behavior principles and their implications for marketing strategy and practice;
- collect, analyze, interpret and report market data;
- apply marketing principles to segment consumer groups and develop appropriate positioning strategies;
- explain and apply the principles of managing the marketing mix as they relate to marketing planning and integrate these into a marketing plan.

The Marketing curriculum prepares students for a wide variety of occupational possibilities. Marketers are involved with such activities as product planning, pricing decisions, advertising, sales management and marketing research. Marketing practitioners act as the connecting link between the firm and its external environment; they assist management in adapting the firm to an ever-changing society.

Courses taken for the Marketing Major beyond the required Business Administration Core are not counted double toward the Finance Major, the Human Resource Management Option, the Operations Management Option or the General Business Option.

Required Business Administration Core (69 credits)

Lower Division Courses
- ACCT 251 Principles of Financial Accounting (5)
- ACCT 252 Principles of Managerial Accounting (4)
- ACCT 261 Business Law (4)
- DSCI 245 Data Analysis for Business (4)
- ECON 200 Introduction to Microeconomics (5)
- ECON 201 Introduction to Macroeconomics (5)
- ENGL 201 College Composition: Analysis, Research and Documentation (5)
- MATH 142 Precalculus II (5)
- or MATH 161 Calculus I (5)
- or MATH 200 Finite Mathematics (5)

Upper Division Courses
- DSCI 346 Advanced Data Analysis for Business (4)
- FINC 335 Financial Management (4)
- MGMT 326 Organization Theory and Behavior (4)
- MGMT 423 Business and Society (4)
- MGMT 490 Department Senior Capstone (4)
- MISC 311 Information Technology in Business (4)
- MKTG 310 Principles of Marketing (4)
- OPSM 330 Operations Management (4)

Note: students are required to take the MFT as a business program requirement during the quarter the student takes the senior capstone for business.

Required Courses (16 credits)
- MKTG 400 Buyer Behavior (4)
- MKTG 411 Marketing Research (4)
- MKTG 412 Marketing Management (4)
- MKTG 417 Marketing Analysis (4)

Electives (8–10 credits)
Select approved, related electives in consultation with your faculty advisor.

Required program credits 16 credits
Elective credits 8–10 credits
Minimum total credits for above major 93 credits
PROFESSIONAL ACCOUNTING MAJOR (117 CREDITS)

Student Learning Outcomes—students will:

- identify ethical issues and apply personal values and professional codes of conduct to resolve ethical issues, including social responsibility and environmental reporting issues;
- develop awareness of diverse perspectives and cultures and their impact on the communication of accounting information in the international arena;
- generate, interpret and communicate accounting information for use in decision making.

The Professional Accounting major is designed to rigorously prepare students for careers in public accounting (CPA) firms, industry, government and not-for-profit organizations. Several professional certificates are available to professional accounting graduates who pass competitive examinations and meet certain other requirements. For example, the Certified Public Accountant certificate, Certified Management Accountant license or Certified Internal Auditor certificate provide professional recognition to the accountants who successfully complete a comprehensive professional examination and meet an experience requirement.

Requirements to sit for the Uniform Certified Public Accountant Examination vary from state to state. Experience requirements for the license also vary from state to state. Therefore, students must obtain current information from the Board of Accountancy within the state from which they seek licensure.

Required Business Administration Core (69 credits)

Lower Division Courses
- ACCT 251 Principles of Financial Accounting (5)
- ACCT 252 Principles of Managerial Accounting (4)
- ACCT 261 Business Law (4)
- DSCI 245 Data Analysis for Business (4)
- ECON 200 Introduction to Microeconomics (5)
- ENGL 201 College Composition: Analysis, Research and Documentation (5)
- MATH 142 Precalculus II (5)
- or MATH 161 Calculus I (5)
- or MATH 200 Finite Mathematics (5)

Upper Division Courses
- DSCI 346 Advanced Data Analysis for Business (4)
- FINC 335 Financial Management (4)
- MGMT 326 Organization Theory and Behavior (4)
- MGMT 423 Business and Society (4)
- MGMT 490 Department Senior Capstone (4)
- MISC 311 Information Technology in Business (4)
- MKTG 310 Principles of Marketing (4)
- OPSM 350 Operations Management (4)

Note: students are required to take the MFT as a business program requirement during the quarter the student takes the senior capstone for business.

Minimum total credits for above major (57–59 credits)

Electives: Select one course from the following (4 credits)
- ACCT 353 Intermediate Accounting III (4)
- ACCT 359 Accounting Systems (4)
- ACCT 450 Audit II (4)
- ACCT 451 Advanced Auditing (4)
- ACCT 452 Contemporary Accounting Theory (4)
- ACCT 454 Federal Income Tax I (4)
- ACCT 455 Federal Income Tax II (4)
- ACCT 456 Cost Accounting II (4)
- ACCT 457 Cost Accounting I (4)
- ACCT 458 Accounting for Non-Profit Entities (4)
- ACCT 495 Internship (4)

Required business administration core 69 credits
Required program credits 44 credits
Elective credits 4 credits
Total credits for above major 117 credits

MINORS

BUSINESS ADMINISTRATION MINOR (22–24 CREDITS)

The Business Administration minor is open to all students not pursuing a Bachelor of Arts in Business Administration degree. This minor includes required courses in management and accounting and electives chosen from various fields of business administration.

Required Courses (10 credits)
- ACCT 251 Principles of Financial Accounting (5)
- MGMT 120 The World of Business (5)

Electives (12–14 credits)
Select electives from the approved list (available from the academic advisors for Undergraduate Business Programs) in consultation with your faculty advisor.

Required program credits 10 credits
Elective credits 12–14 credits
Minimum total credits for above minor 22 credits

Note: this minor is only available for students who are not pursuing a Bachelor of Arts in Business Administration degree.

DECISION SCIENCE MINOR (20 CREDITS)

This minor is offered to all students interested in the science of rational decision-making through the study, design and implementation of complex situations and systems. This discipline focuses on managerial planning, mathematical modeling and the use of computer technology to help decision-makers choose from among a set of alternatives in light of all possible consequences. This minor is recommended for students who wish to possess problem-solving skills that can be used to make and implement decisions as efficiently and effectively as possible.

Prerequisites (8 credits)
- DSCI 245 Data Analysis for Business (4) or equivalent
- DSCI 346 Advanced Data Analysis for Business (4) or equivalent

Required Courses: at least three of the following (12 credits)
- DSCI 445 Game Theory (4)
- DSCI 446 Business Forecasting (4)
- DSCI 447 Design of Experiments (4)
- DSCI 448 Business Simulation (4)
- DSCI 449 Multivariate Data Analysis (4)
- DSCI 450 Quantitative Communications (4)

Minimum total credits for above minor 20 credits

INTERNATIONAL BUSINESS MINOR (16 CREDITS)

This minor is offered for students in the Bachelor of Arts in Business Administration (BAB) degree program. The minor in International Business will enhance the business educational experience by providing an in-depth international dimension that complements any major area of study in business. This minor is recommended for students who wish to work in organizations that are engaged in global business activities and want to be prepared to meet the challenges of ever-increasing global interdependence.

Required Courses
- IBUS 470 International Business Management (4)
- IBUS 471 Multinational People Management (4)
- IBUS 472 International Marketing Management (4)
- IBUS 474 International Financial Management (4)

Total credits for above minor 16 credits

Note: this minor is only available for students who are pursuing a Bachelor of Arts in Business Administration (BAB) degree.

MANAGEMENT INFORMATION SYSTEMS MINOR (20 CREDITS)

The minor in Management Information Systems (MIS) provides the conceptual foundation and skill preparation for working in an Information Technology (IT) intensive environment characterized by electronic communication channels along with an in-depth knowledge of data processing and management.

Required Courses
- MISC 311 Information Technology in Business (4)
- MISC 371 Business Applications Program Design (4)
- MISC 373 Business Database Applications (4)
- MISC 374 Spreadsheet Modeling for Business Applications (4)
- MISC 487 E-Commerce and E-Commerce System Design (4)

Minimum total credits for above minor 20 credits
GRADUATE PROGRAMS

MASTER OF BUSINESS ADMINISTRATION

Robert Brooke, Director
EWU Spokane,
668 N. Riverpoint
Spokane WA 99202-1677
509.828.1248

Student Learning Outcomes—students will:

• use relevant theories, concepts, perspectives and facts to analyze business and economic issues and solve related problems;
• apply appropriate technical and quantitative skills related to business;
• to demonstrate competency in both written and oral business communication skills;
• provide leadership and facilitate positive interpersonal business relationships;
• incorporate ethical and global considerations into business activities.

The Master of Business Administration is an advanced professional degree in business administration emphasizing quantitative and qualitative skills necessary for leadership in today’s organizational environment. It prepares students for management positions in business firms, government agencies and not-for-profit entities. Organizations need leaders who can work well in groups, appreciate the value of diversity, foster creativity and innovation, create an entrepreneurial spirit and provide practical solutions to real-world problems. Managers today are faced with complex global problems and a rapidly changing business environment, so they must have an appreciation for lifelong learning. The MBA at Eastern Washington University is designed to equip graduates with required skills, knowledge and abilities to flourish in a complex organizational environment.

Accreditation

Graduate programs in business began in 1966 and the Master of Business Administration (MBA) was authorized in 1975. Both the graduate and undergraduate business programs are accredited by AACSB-International.

Admission Requirements/Preparation

To be admitted to the MBA, an applicant must hold a four-year baccalaureate degree in any field of specialization from an accredited college or university. An applicant’s qualifications will be assessed though the quality of performance in prior academic programs as well as general aptitude measured by the GMAT or GRE. Other integral factors in the decision making process include work experience, résumé and letter of intent. Admission will be considered only after all of the following documents have been received from the applicant:

1. the application for admission to a graduate program at Eastern Washington University;
2. two copies of official transcripts for all collegiate work completed;
3. official GMAT scores (no more than five years old);
4. a $50 MBA application fee, in addition to the $50 graduate application fee;
5. statement of intent demonstrating a level of knowledge and intellectual maturity appropriate to the MBA;
6. other information which may be required at the discretion of the MBA program director may include the following:
   • admissions interview;
   • a current résumé;
   • references;
   • an essay demonstrating critical thinking skills.

In addition to the above requirements, international students must demonstrate English language competency by taking the Test of English as a Foreign Language (TOEFL). A minimum score of 92 Internet-based Test (TOEFL iBT) or 580 paper-based TOEFL is required to be considered for MBA Program admission. (7.0 International English Language Test (IELTS) is also accepted)

Note: admission to the MBA foundation coursework requires a TOEFL of at least 71 iBT or 525 paper-based TOEFL or 6.0 IELTS.

All of the above materials should be sent directly to:
Graduate Studies Office, 206 Showalter Hall, Cheney, WA 99004–2444.

MBA Program Admission Exception Policy

The MBA Program admission exception policy is an alternate admission process. The MBA director will consider applications from students requesting an exception to the minimum admission criteria of an application GPA ≥3.0 and a 450 GMAT. In order to be considered for exception students must submit a letter of appeal and a current résumé and must possess an index score (GPA x 200 + GMAT) of at least 1050. The director will review the applications throughout the year and will consult with the MBA Curriculum Committee as necessary. Admission exceptions will be recommended by the director.

Letters of appeal for admission exception should include the following information:

• why you want the Master of Business Administration degree;
• why you feel that you are capable of successfully completing this degree;
• anything else you feel the MBA committee should know.

Application Deadlines

Eastern admits MBA students throughout the academic year. The Graduate Studies Office accepts applications no later than 10 business days before the start of the term of intended enrollment. Applicants must make an appointment with the MBA program director before they begin the program. During that interview the applicant will be advised about program details, schedules and any foundation requirements that must be completed before starting the advanced program. Applicants will be advised by letter from the Graduate Studies Office concerning the admission decision.

Mathematics and Communications Skills Required

The MBA program requires competency on the part of the student in quantitative skills, computer skills and written and oral communication skills. Students lacking these skills are urged to acquire them before applying for admission to the program. Courses in finite mathematics, computer literacy and oral and written communications are stressed as necessary for admission. Courses in differential calculus are highly recommended.

Computers and Research

The courses of the MBA curriculum have been infused with the application of computer technology in managerial decision-making. In addition, MBA students may expect that the courses will require considerable research beyond assigned course texts. Eastern offers computer labs and computer access to nationwide data banks. MBA students also have access to the John F. Kennedy library on the Cheney campus and the Riverpoint Campus Library system on the Riverpoint Campus in Spokane.

Academic Requirements

Students in the MBA program must maintain a GPA ≥3.0 at all times. Students who fall below a GPA ≥3.0 are notified by the Graduate Studies office that they are officially on probation. These graduate students will be allowed one quarter’s study to restore their cumulative GPA to ≥3.0 level. The MBA Curriculum Committee of the College of Business and Public Administration may extend this probationary period by one quarter when they feel such an extension is warranted by special circumstances. Those students who are unable to restore their cumulative GPA to ≥3.0 in this additional quarter of probation will be terminated from the program.

No course grade <2.5 may count toward the MBA degree. Only two courses in the student’s program may be <3.0. Students who have more than two grades <3.0 are subject to dismissal from the program and will be notified by the MBA program director.

Students who are dismissed for academic reasons may appeal to the MBA Curriculum Committee. The committee may allow students to repeat up to two courses in which they received a grade <3.0. The average of the original grade and the grade earned by repeating must be ≥3.0. A given course can be repeated only once. If the average grade is still <3.0, no further remedy is available and the average grade counts.

With readmission granted through appeal students must maintain these same academic standards; however, if they again fall below these standards they will be dismissed and no further appeal remedy will be available to them. Students who are not recommended for continuation must wait one year to reapply for admission to graduate studies.

Students are expected to successfully complete courses for which they register. Thus, the record of any student with more than two W (withdrawal) or X (incomplete) course grades will also be reviewed by the MBA program...
director, with termination from the program as a possible consequence. Other graduate academic requirements are set forth in the opening section of the catalog under Graduate Studies Academic Policies. Entering MBA students will be apprised of these regulations at their initial interview with the MBA program director following admission to the program. The student has the right of appeal to the MBA Curriculum Committee on any actions taken under these grade standards and the probation process. According to university policy, the student also has the right to appeal individual grades. In the event that a student is dismissed from the program twice as a result of these rules, readmission will not be permitted.

Advising and Special Counseling
All entering students should consult with the director of the MBA program for program information and determination of the student’s interests. The director recommends a program of study compatible with each student’s goals and interests and the MBA program requirements.

Reserved Classes
MBA courses at EWU are reserved exclusively for students who have been formally admitted to the MBA program or other master’s degree programs and who have met all prerequisites for the courses or who have permission of the MBA program director.

Study Groups
Managers interact and so do MBA students. The MBA program makes use of group study, analysis and presentation. Students are frequently assigned to teams of three, four or five or more individuals. Assignments are sometimes based upon assembling a team with diverse academic and work experience backgrounds. Teams are expected to prepare and present many assignments collaboratively.

Working in a group is good reinforcement of management practice, helping to develop interpersonal skills and effectiveness in small group decision-making. Group members begin to understand and appreciate others’ points of view. Study groups also reinforce the managerial technique of networking. Successful managers often draw upon resources from individuals outside the organizations they serve.

Practical Business Experience
All students who graduate from the MBA program should have some practical work experience. The majority of the students accepted into the program are working professionals and meet this requirement. For those students who enter the program lacking professional work experience, an internship should be part of the student’s MBA program. Up to four (4) credits earned while in an internship may be used for MBA elective credit.

MBA PROGRAM STRUCTURE

Foundation Coursework
Students with no formal education in business administration may need to complete up to 32 credits of foundation coursework. The specific courses and the resulting required credit hours will be determined by an assessment of each student’s educational background and professional experience. Graduate students in the MBA program have options when fulfilling their foundation course requirements. Students can take courses at EWU or another accredited college or university. Other course equivalents need to be approved by the MBA program director. Students must meet with the MBA program director to determine which foundation courses need to be fulfilled. Students may not register for the MBA core courses until they have fulfilled these requirements:

- Foundation Knowledge (for those requiring additional business preparation):
  - ACCT 201 Business Law (4)
  - BADM 503 Quantitative Analysis in Business (4)
  - DSCI 245 Data Analysis for Business (4)
  - BADM 505 Essentials in Accounting (4)
  - MGMT 520 Advanced Data Modeling for Research (4)
  - BADM 530 Corporate Finance (4)
  - BADM 540 Marketing Management (4)
  - BADM 552 Leadership and Ethics (4)
  - BADM 555 Strategic Operations (4)
  - BADM 560 Decision Making and Accounting Information (4)
  - BADM 570 Information Technology and the Organization (4)
  - BADM 580 International Business Environments (4)
  - BADM 590 MBA Capstone (4)

In addition to the above required courses all students must choose from the following options:

OPTION I—ELECTIVE COURSEWORK
Students choosing this option will be required to take eight (8) credits of MBA elective courses. Students may elect to take courses from other graduate programs if these courses help them achieve their objectives and are preapproved by the MBA Director. Students in this option will be required to pass the Major Field Test (MFT) with a minimum score of 240. The MFT will be taken while the student is enrolled in BADM 590. Students who do not pass the MFT may retake the test no more than one additional time, and must pay a separate fee to re-take the test. Students who do not pass the MFT either the first or second time may subsequently elect to enroll in BADM 603 Final Project, which will increase the number of credits required to graduate by 2 credits (50 total). Students will be charged for the extra 2 credits. If students fail to pass either the MFT (after two attempts) or BADM 603, the MBA degree will not be awarded.

OPTION II—RESEARCH REPORT (8 CREDITS)
The student conducts a research project and prepares a written report under the direction of a committee of faculty teaching graduate courses. The student can earn a minimum of four and a maximum of eight credits depending upon the extent and depth of research involved. If students elect to conduct a four (4) credit research report, they will select four (4) credits of elective coursework (in consultation with their advisor) from approved elective courses as outlined under Option I. Students choosing Option II must have permission of the MBA Program Director and must pass an oral examination.

OPTION III—THESIS (8 CREDITS)
This option allows the student to write a thesis under the direction of a committee of faculty teaching graduate courses. The student can earn a minimum of four and a maximum of eight credits depending upon the extent and depth of research involved. If students elect to write a four (4) credit thesis, they will select four (4) credits of elective coursework (in consultation with their advisor) from approved elective courses as outlined under Option I. Students choosing Option III must have permission of the MBA Program Director and must pass an oral examination.

Degree Candidacy
No more than one-half of the minimum number of credits in the advanced program may be counted toward the MBA degree before the total program is planned and the application for degree candidacy is submitted.

Major Field Test (MFT) Requirement
Students are required to take the MFT for the MBA before completing their MBA Capstone course. For more information on the MFT, see www.ewu.edu/cbpa/mft-assessment. The MBA application fee covers the cost of this test fee. In the case where a student must retake the exam due to a failed first attempt they will be reassessed the cost of the test.

Oral Examination Requirement
Those students electing a BADM 600 Thesis or a BADM 601 Research Report will present and defend the results of their research to an oral examination committee chaired by the thesis or research project advisor, with a second member from the College of Business and Public Administration and a faculty member from an area outside their discipline. The Graduate Studies
Office will select this member. These students will schedule their orals at times mutually convenient to them and the three committee members.

Course Schedules and Time Limits

MBA courses are conducted in the evenings at Eastern Washington University, Riverpoint. Evening classes are held one night per week from 6 to 9:40 p.m. Three-fourths of the minimum credits required for the MBA degree (at least 36 credits) must be earned in Eastern Washington University resident courses. The remaining credits may consist of approved Eastern extension credits or approved residence or extension credits from other accredited institutions, provided they meet the advisor-approved program.

The MBA program must be completed within six years after the first applicable advanced course has been undertaken. The minimum time to degree for a full-time student is one year (four quarters). Most courses are 4 credit hours. The maximum allowable load is 16 credit hours. MBA students who are employed usually carry no more than 8 credits (two courses).

Visiting Graduate Students

Visiting graduate students may enroll in MBA program courses on a space-available basis, provided they have delivered to the MBA program director documentary proof from their home institution that they are bona fide graduate students in good standing and that their home institution will accept Eastern’s courses as part of their degree program. Such documentation shall be in the form of a letter signed by a home institution official and addressed to Eastern’s MBA program director. In order to register and have their coursework recorded on an EWU graduate transcript, visiting graduate students must submit a graduate non-degree application to the Graduate Studies Office at least 10 business days before the start of the term of intended enrollment.

Affiliated Programs

INTERNATIONAL DUAL DEGREE PROGRAM—MBA/MA IN INTERNATIONAL BUSINESS AND ECONOMICS

A dual-degree program is available in cooperation with the University of Applied Sciences in Schmalkalden, Germany. This program combines the EWU M.B.A. and a Master’s in International Business and Economics from the University of Applied Sciences (FhS) in Schmalkalden, Germany. This opportunity allows a student to earn two master’s degrees in an accelerated schedule of studies. All coursework is taught in English. EWU students will take the entire MBA curriculum at EWU plus study abroad for one semester at FhS. They will begin a thesis at FhS and finish it after returning to EWU.

The FhS MA degree requires a total of 120 European Credit Transfer System (ECTS) credits. Students will transfer 40–48 EWU MBA credits to FhS, or the equivalent of 60 European Credit Transfer System (ECTS) credits. These transfer credits will be applied toward the MA degree.

In addition, they will take 30 ECTS credits (the equivalent of 24 EWU credits) of coursework at FhS plus write an FhS thesis for another 30 ECTS credits, thus acquiring the necessary 120 ECTS credits for the MA degree.

Students will present and defend the results of their thesis to an oral examination committee chaired by the thesis or research project advisor from the FhS according to their guidelines. A faculty member from the College of Business and Public Administration and a EWU faculty member from an area outside their discipline will be required. The Graduate Studies Office will select this member. The oral exam will be conducted at EWU and include video conferencing with the Schmalkalden faculty members. These students will schedule their orals at times mutually convenient to them and the committee members.

Total required for M.A. 120 ECTS

Satisfactory completion (including a 60 minute oral examination for the thesis) will result in the awarding of a M.A. (International Business and Economics) degree from FhS.)

Required Core EWU MBA Coursework 40 credits

BADM 515 Managerial Economics (4)
BADM 520 Advanced Data Modeling for Business Research (4)
BADM 530 Corporate Finance (4)
BADM 540 Marketing Management (4)
BADM 552 Leadership and Ethics (4)
BADM 555 Strategic Operations (4)
BADM 560 Decision Making and Accounting Information (4)
BADM 570 Information Technology and the Organization (4)
BADM 580 International Business Environments (4)
BADM 590 MBA Capstone (4)

Total credits 40 credits

Sample of coursework offered at FhS

Note: Courses are subject to changes. Specific coursework to be completed will be specified by the program directors and may result in the need to take additional credits beyond the minimum requirements above.

Accounting

Investment Appraisal 8 ECTS winter
Management Control Systems 5 ECTS summer

Advanced Economics

Institutional Economics 5 ECTS summer
Labour Economics 5 ECTS winter
Managerial Economics 5 ECTS summer
Regional Economics 5 ECTS summer

Computer-Based Analysis
Econometrics 8 ECTS winter
Experimental Econometrics 6 ECTS winter
Marketing Research 6 ECTS summer

International Economics
International Financial Markets and Portfolio Selection Theory 6 ECTS winter
International and European Economic Law 5 ECTS winter
International Monetary Economics 5 ECTS winter

Management

Organisational Behaviour 6 ECTS winter

Philosophy

Economic Philosophy 5 ECTS summer
Political Philosophy 5 ECTS winter
Philosophy of Science 5 ECTS summer

Strategic and International

Human Resource Management 6 ECTS summer
Strategic and International Marketing 6 ECTS winter
Treasuring 6 ECTS winter

COMBINED MBA DEGREE/HEALTH SERVICES ADMINISTRATION CERTIFICATE

For students who select Option I–Electives, a combined MBA Degree/Health Services Administration Certificate Program is available.

Students in the MBA/Health Services Administration program take, in addition to the 40 required MBA credits, the following courses:

- HSAD 500 U.S. Health Care Systems (4)
- HSAD 510 Health Law (4)
- HSAD 520 Health Reimbursement Issues (4)
- HSAD 560/Managed Care Systems (4)
- HSAD 598 Seminar in Health Services Administration (4)

Eight credits of the above coursework may be used toward the required 8 credits of electives for the MBA degree. All five courses must be completed to earn the certificate in Health Services Administration.

Note: also see the information under Health Services Administration elsewhere in this catalog.

DUAL MBA/MPA DEGREE PROGRAM

A dual-degree program is available with the Master of Public Administration (MPA) program. This dual-degree program combines the requisite supervisory and administrative education for career advancement in either the public or private sectors and bridges the regulatory and supplier aspects of business and government relationships.

Those enrolling in the dual-degree program must be admitted through the Graduate Studies Office and by both the MBA program and the graduate program in Public Administration (MPA). The student must also have satisfied the undergraduate background (prerequisite) course requirements of both programs at the time of entry or soon thereafter.

Students interested in the specific requirements of this dual-degree program must contact either the MPA program director at 509.828.1231 or the MBA program director at 509.828.1248 to be advised in advance of consideration for admission.
Accounting Courses

ACCT courses numbered 351 and higher have restricted enrollment. See Business Administration Course Enrollment Policies.

ACCT 251 Principles of Financial Accounting (5)
Prerequisite: Sophomore standing.
Introduction to the underlying principles of financial accounting and the application of such data to financial decisions.

ACCT 252 Principles of Managerial Accounting (4)
Prerequisite: ACCT 251.
Introduces the principles and techniques of managerial accounting. Emphasizes the use of information outputs from the managerial accounting information system in making managerial decisions.

ACCT 261 Business Law (4)
Prerequisite: Sophomore standing.
Law as it applies to the business world. Explores background of our system of legal process. Examines law and its social environment and its impact on business organizations and transactions.

ACCT 351 Intermediate Accounting I (4)
Note: Intermediate Accounting I, II and III are sequential and cannot be taken out of order or concurrently.
Prerequisite: ACCT 251.
Financial accounting principles and practice: postulates and principles underlying the presentation and interpretation of financial statements, including: working capital, investments, plant assets, long-term liabilities, partnership formation, partnership dissolution and stockholders' equity.

ACCT 352 Intermediate Accounting II (4)
ACCT 353 Intermediate Accounting III (4)
ACCT 354 Cost Accounting I (4)
Prerequisites: completion of CPLA 100 and 101 or CPLA 120; completion of a math course that satisfies math proficiency (MATH 200 is highly recommended), ACCT 251, 252, DSCH 245, junior standing.
Cost determination and control; cost accounting theory and accounting for manufacturing operations. Emphasis on historic and standard costs, standard cost variance determination, budgeting and cost allocation.

ACCT 355 Cost Accounting II (4)
Prerequisite: ACCT 356.
Cost analysis and control principles and methods applied to manufacturing operations and decision making; applications of information theory to cost accounting reports and decision making; applications of information theory to cost accounting reports and decision processes.

ACCT 358 Accounting for Non-Profit Entities (4)
Prerequisite: ACCT 251.
Concepts, principles and procedures of fund accounting and accounting for not-for-profit entities. Emphasis on accounting principles and budgetary control, financial reporting and auditing for effective financial administration of governmental and other non-profit entities.

ACCT 359 Accounting Systems (4)
Prerequisite: ACCT 351, ACCT 356 and MISC 311.
This course covers the application of concepts and techniques for the design, function, separation and evaluation of accounting systems. The course also focuses on accounting system design and evaluation and provides timely information along with problems in accounting-system installation and revision.

ACCT 399 Directed Study (1–5)
Prerequisite: permission of the instructor, department chair and college dean.

ACCT 422 Advanced Business Law (4)
Prerequisites: ACCT 281, senior standing.
Business ethics and social responsibility; public law and regulation including securities law, antitrust law, consumer law, labor law and debtor/creditor relations.

ACCT 450 Auditing (4)
Prerequisite: ACCT 353, 356, 359.
Generally accepted auditing standards and principles; auditing objectives and methodology; ethical responsibility of the CPA in financial reporting and auditing.

ACCT 451 Advanced Auditing (4)
Prerequisite: ACCT 450.
Special topics in auditing with emphasis on EDP and statistical auditing. Auditing objectives, methodology and generally accepted auditing standards in their relation to EDP and statistical auditing. Practical audit experience through hands-on computer use on audit cases.

ACCT 452 Contemporary Accounting Theory (4)
Prerequisite: ACCT 353, 356 and 359.
This course covers contemporary accounting issues and their theoretical implications; review of accounting literature and research studies and pronouncements of the FASB and other professional organizations.

ACCT 454 Federal Income Tax I (4)
Prerequisite: ACCT 251.
Provisions and principles of federal income tax laws affecting the determination of taxable income, income liability and tax planning for individuals.

ACCT 455 Federal Income Tax II (4)
Prerequisite: ACCT 454.
Provisions and principles of federal income tax laws affecting the determination of taxable income and tax liability of corporations and information returns and tax planning for partnerships.

ACCT 495 Internships (1–15)
Prerequisite: permission of the instructor, department chair and college dean.

ACCT 498 Seminar (1–5)
Note: graded Pass/Fail.

ACCT 499 Directed Study (1–5)
Prerequisite: permission of the instructor, department chair and college dean.

Business Administration Courses

Terms offered: check with the department or EagleNET.

BADM 500 Economic Analysis (4)
Note: Not open to those who have completed ECON 200 and ECON 201. This course does not count toward the MBA degree without permission of the MBA Director.
This is an accelerated course in micro- and macroeconomic principles, including these topics: functioning of a price system, supply and demand, forms of markets, theory of factor income, market interventions by government, macroeconomic measurements, determinants of national income and output, effects of monetary and fiscal policy and long-term growth.

BADM 503 Quantitative Analysis in Business (4)
Note: this course does not count toward the MBA degree without permission of the MBA Director.
Prerequisite: permission of the MBA director.
An accelerated course in descriptive and inferential statistics, including basic regression analysis, chi-square analysis and quality control methodology.

BADM 505 Essentials of Accounting (4)
Note: this course does not count toward the MBA degree without permission of the MBA Director.
Prerequisite: permission of the MBA director.
An accelerated course in understanding and using accounting information and accounting information systems in a business environment; includes coverage of both financial and managerial accounting information.

BADM 515 Managerial Economics (4)
This course is a study of economic theory and its specific applications to the marketing decision-making.

BADM 520 Advanced Data Modeling for Business Research (4)
Prerequisites: permission of the MBA director or admission to the MBA program.
A study of business research methodology, including basic measurement design and the application of statistical analysis in an applied practical business setting.

BADM 530 Corporate Finance (4)
Prerequisites: permission of the MBA director, or both of the following: admission to the MBA program and completion of BADM 515 and BADM 560.
This course covers an analysis of valuation issues and project analysis as well as the relationships between risk, capital structure, cost of capital and dividend policy. It examines contemporary issues and problems confronting financial managers.

BADM 539 Special Topics (1–5)
Note: Some sections are graded Pass/No Credit. Electives are designed to (1) help students enhance functional business skills by providing an in-depth study of a selected topic from a business core area and (2) expose students to a variety of environments in which business decision making skills are applied, such as international or not-for-profit organizations and/or specific industries, such as health care or service. The topics of specific BADM 539 courses offered each quarter are determined by a combination of student and faculty interest and availability.

BADM 540 Marketing Management (4)
Prerequisites: permission of the MBA director, or both of the following: admission to the MBA program and completion of BADM 520.
This course is a study of both the theoretical and applied aspects of the marketing process. It covers the elements of successful marketing strategies, marketing decision-making and the impact of marketing on business.

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BADM 541 Managerial Communications (4)  
**Prerequisites:** admission to the MBA program and completion of the MBA foundation or permission of the MBA director.  
This course is designed to refine the student’s written, oral and electronic communications skills as applied to the managerial environment within the organization.

BADM 543 Labor Relations (2)  
Cross-listed: PADM 543.  
This course covers a broad range of topics such as history and development, federal and state statutes covering this field, emergency operations planning and legislative lobbying efforts.

BADM 545 Collective Bargaining (2)  
Cross-listed: PADM 545.  
This course addresses the process of reaching agreement on a contract.

BADM 552 Leadership and Ethics (4)  
**Prerequisites:** permission of the MBA director, or both of the following: admission to the MBA program and completion of BADM 520.  
This course inquires as to leaders and leadership from a perspective of ethics. It asks the student to think about principled leadership through three complex lenses: personal character, accountability and pragmatism (ethical action in an uncertain, competitive and imperfect world). Each of these lenses reflects traditions in moral philosophy and each emphasizes fundamental aspects of leaders’ responsibilities. The objective of the course is an integrated understanding of the relationship between ethics and leadership achieved through study of the leader.

BADM 555 Strategic Operations (4)  
**Prerequisites:** permission of the MBA director or all of the following: admission to the MBA program and completion of BADM 520, 530, 540.  
This course is a study of business operations practice, including decision-making, production technology transfer, cause-and-effect for operations problems, operations strategies and action plans—and their applications to managerial decision making.

BADM 560 Decision Making and Accounting Information (4)  
**Prerequisites:** permission of the MBA director or admission to the MBA program.  
This course focuses on the use of accounting information and accounting systems in business decision-making.

BADM 564 E-Commerce (4)  
Electronic commerce includes not only selling/buying online but also much broader activities, such as organizational internal process supports, electronic collaboration among partners, distance learning and virtual communities. This course explores how the landscape of e-commerce is changing and evolving. It covers the important topics of e-commerce, including selling and marketing online; businesses trading and collaborating with other businesses; internal business process supports; legal, ethical and tax issues; web security; and e-commerce infrastructure. The course balances the strategic and technological aspects of successful e-commerce with real-world business cases. This course also introduces the latest technological development, which will significantly impact the current and future e-commerce, such as wireless technology, radio frequency identification (RFID), global data synchronization network (GDSEN) and EPCC.

BADM 570 Information Technology and the Organization (4)  
**Prerequisites:** permission of the MBA director or admission to the MBA program.  
This course analyzes the concepts and techniques underlying the development and control of information systems within the firm. It covers the impact of emerging information technologies on strategic planning and emphasizes computer-based management information systems.

BADM 577 Entrepreneurship (4)  
**Prerequisites:** permission of the MBA director or admission to the MBA program.  
This course is designed to provide the student a rigorous experience in not only learning about global entrepreneurship, but also in developing a business plan for either their own existing firm or a start-up opportunity. While not a capstone course it does require the student to utilize previously learned information that can be incorporated in the business plan. Verbal and oral communication, as well as Internet based communication and searching, are of importance in this course.

BADM 580 International Business Environments (4)  
**Prerequisites:** permission of the MBA director, or both of the following: admission to the MBA program and completion of BADM 520 (may be concurrent).  
This course provides an overview of the roles of business in the global economic, political, social and other environments in which businesses operate.

BADM 585 Strategy, Competitiveness, and Economic Development (4)  
**Prerequisites:** graduate standing or permission of the MBA Director.  
The MOC course is based on materials developed by the Institute for Strategy and Competitiveness at Harvard Business School. The MOC course explores the determinants of competitiveness and successful economic development viewed from a bottom-up, microeconomic perspective. While macroeconomic policies, stable legal and political institutions and improving social conditions create the potential for competitiveness, wealth is actually created at the microeconomic level. The sophistication and productivity of firms is determined by the quality of clusters, and the quality of the business environment in which competition takes place, are the ultimate determinants of a nation’s or region’s productivity.

BADM 590 MBA Capstone (4)  
**Prerequisites:** permission of the MBA director or both of the following: admission to the MBA program and completion of all other core classes.  
The study of administrative processes under conditions of uncertainty including integrating analyses and policy determinations at the overall management level. Includes a synthesis of the principles of administrative management from the generalist’s view and integrates prior specialized course work in the microeconomic basis.

BADM 596 Experimental Course (2–4)  
**Notes:** only one workshop course for up to 3 credits may be used to fulfill graduate degree requirements.

BADM 597 Research Report (2–8)  
**Prerequisites:** permission of the instructor, department chair and college dean.  
Independent research resulting in a scholarly paper under the direction of the student’s graduate committee chairperson.

BADM 603 Final Project (2)  
**Prerequisites:** must attempt completion of MFT and receive a score of 2.40 or higher.  
An individual advanced praxis project in which students, following the guidelines provided by the MBA program with the advice and editorial review of the chair of their comprehensive oral exam committee, develop a portfolio which is presented and discussed as part of the comprehensive oral exam for the MBA degree.

BADM 695 Internship (2–4)  
**Prerequisites:** permission of the instructor, department chair and college dean.

BADM 696 College Teaching Internship (2–4)  
Teaching a lower-division college course under supervision of a regular faculty member. Includes course planning, arranging bibliographical and instructional aids, conferences with students, experience in classroom instruction and student course evaluation.

**Decision Science Courses**

DSCI courses numbered 400 and higher have restricted enrollment. See “Business Administration Course Enrollment Policies.”

**DSCI 245 Data Analysis for Business (4)  
**Prerequisites:** completion of DSCI 120 and one of the following: MATH 142, MATH 161 or MATH 200.  
An introduction to decision making in the business environment using statistical and decision analysis procedures. Computer software is used extensively. Written communication skills are emphasized as a means to incorporate analysis results into the decision making process. Topical coverage includes discrete and continuous probability distributions, sampling distributions, estimation and hypothesis testing.

DSCI 346 Advanced Data Analysis for Business (4)  
**Prerequisites:** completion of DSCI 340 and one of the following: MATH 142, MATH 161 or MATH 200.  
This course offers in-depth study of decision making in the business environment using statistical and data analysis procedures. Statistical methods used in decision making include chi-square tests, analysis of variance, correlation, simple and multiple regression, time series analysis and forecasting. Computer software is used extensively for data analysis and decision making. Case studies or projects are used to integrate statistical methods with problem solving and communication skills.

DSCI 399 Directed Study (1–5)  
**Prerequisites:** permission of the instructor, department chair and college dean.

DSCI 445 Game Theory (4)  
**Prerequisites:** DSCI 346 or equivalent.  
Game theory is the mathematical study of strategy and competition as it applies to international politics, evolutionary biology, contract negotiations, military warfare, elections, viability, economics and many other fields. This course both empirically examines some of the games associated with the development of this field and then expands this experiences through the use of linear programming and probability.

DSCI 446 Business Forecasting (4)  
**Prerequisites:** DSCI 346 or equivalent or permission of the instructor.  
Integrates several forecasting models with applications to managerial techniques. Topics include regression, multiple regression, time series analysis, auto correlation, econometric models, exponential smoothing, auto regressive models, adaptive filtering, Box Jenkins methods and survey techniques. The computer is employed to develop meaningful forecasts for management.
Human Resource Management Courses

HUMR courses numbered 300 and higher have restricted enrollment. See Business Administration Course Enrollment Policies.

Terms offered: check with the department or EagleNET.

HUMR 328 Human Resource Management (4)
Prerequisite: junior standing.

Human resource management (HRM) is an ongoing process consisting of various critical functions including human resource planning, recruitment, selection, training and development, job analysis, performance appraisal, compensation and maintenance such as health and safety. These major HRM functions and their sequential interdependence are discussed and applied. Various external forces that constrain managerial decision-making are also considered including laws and regulations dealing with equal opportunity, workplace diversity and multiculturalism, especially as these impact human resource policies and practices.

HUMR 427 Compensation Administration (4)
Prerequisite: HUMR 328.

Part I consists of an analysis of the theoretical concepts, practical techniques and criteria commonly recognized in the development and control of various compensation models. Part II is the application (field study) of selected concepts, techniques and criteria considered appropriate for the solutions to local work place compensation problems.

HUMR 429 Current Issues in Human Resource Management (4)
Prerequisite: HUMR 328.

Analyses of selected major problems confronted in human resource management.

HUMR 495 Internships (1–5)
Prerequisite: permission of the instructor, department chair and college dean.

HUMR 498 Seminar (1–5)
Prerequisite: permission of the instructor, department chair and college dean.

HUMR 499 Directed Study (1–5)
Prerequisite: permission of the instructor, department chair and college dean.

International Business Courses

IBUS courses numbered 300 and higher have restricted enrollment. See Business Administration Course Enrollment Policies.

Terms offered: check with the department or EagleNET.

IBUS 470 International Business Management (4)
Cross-listed: MGMT 470.
Prerequisite: junior standing.
Satisfies: international studies university graduation requirement.

Analysis of the impact of international business variables on global organizations and the impact of these organizations on the societies in which they operate.

IBUS 471 Multinational People Management (4)
Cross-listed: MGMT 471.
Prerequisite: junior standing.
Satisfies: international studies university graduation requirement.

A systems approach to multinational human resource management incorporating three interrelated subsystems: internal (the multinational company), external (the nation state) and the individual (the manager) in a cross-cultural context.

Finance Courses

FINC courses numbered 300 and higher have restricted enrollment. See Business Administration Course Enrollment Policies.

Terms offered: check with the department or EagleNET.

FINC 200 Personal Finance: Philosophy and Practice (4)
Satisfies: GECCR for humanities and fine arts, list 3, philosophy and reasoning.

Deals with the management of individual financial affairs on both a practical and a philosophical level. Covers a number of topics, such as the relationship between money and success, money and power, the meaning of poverty, the illusion of value, budgeting, tax planning, credit, real estate, major purchases, cash management, insurance, investments and retirement planning.

FINC 335 Financial Management (4)
Prerequisites: MATH 142 or MATH 161 or MATH 200 and DSCI 245 and ACCT 251 and (either ECON 200 or ECON 201) and the university computer literacy requirement.

This course covers the application of basic theory and analytical techniques to financial decision making. It discusses the time value of money and capital budgeting, as well as capital structure and risk return trade off as they relate to the cost of capital, securities valuation and capital budgeting.

FINC 399 Directed Study (1–5)
Prerequisite: permission of the instructor, department chair and college dean.

FINC 431 Investments (4)
Prerequisite: FINC 335.


FINC 432 Risk Management (4)
Prerequisite: FINC 434.

This course examines risks faced by the economy and businesses. Discussions include the principles of risk and risk management methods.

FINC 434 Financial Derivatives (4)
Prerequisite: FINC 335.

Provides an in-depth background to various financial derivatives including futures, options, swaps, securitized securities and collateralized mortgage obligations. Discusses concepts related to the operation of financial derivatives including marketing to market and clearing corporations.

FINC 435 Capital Budgeting and Long-Term Financing (4)
Prerequisite: FINC 335.

Provides an in-depth background and skill development for capital budgeting and long-term financial decision-making. Emphasis on discounted cash flow analysis using computer spreadsheets. Discusses capital structure, dividend policy, cost of capital and risk analysis. Also covers long-term financing issues of a business or corporation. Uses cases, computer simulations and other analytical techniques.

FINC 436 Short-Term Financial Management (4)
Prerequisite: FINC 335.

This course provides an in-depth background and skill development necessary to understand and analyze short-term financing issues. Topics include financial liquidity, working capital management, cash forecasting, cash budgeting and short-term investing and financing. Cases, spreadsheets and other methods will be used extensively.

FINC 441 Portfolio Management I (2)
Prerequisites: FINC 335.

This is an introductory course dealing with the management of real dollar portfolios. Students enrolled in this course will be expected to enroll in FINC 442 and FINC 443 subsequent quarters. Topics covered include modern portfolio theory, security analysis and portfolio performance evaluation. Students will also be involved in management of extant portfolios primarily as observers.

FINC 442 Portfolio Management II (2)
Prerequisite: FINC 441.

This course is a continuation of FINC 441. Students enrolled in this class will be involved in the day-to-day management of real dollar portfolios. Responsibilities will include presentation of security recommendations, portfolio rebalancing and analysis of portfolio risk. An end of quarter report will be prepared and presented.

FINC 443 Portfolio Management III (2)
Prerequisite: FINC 442.

This course is a continuation of the information covered in FINC 441 and FINC 442. Students enrolled in this class will be involved in the day-to-day management of real dollar portfolios. Responsibilities will include presentation of security recommendations, portfolio rebalancing and analysis of portfolio risk. An end of quarter report will be prepared and presented.

FINC 474 International Financial Management (4)
Cross-listed: IBUS 474.
Prerequisites: FINC 335.

This course discusses financial management in the international arena.

FINC 495 Internships (1–5)
Note: graded Pass/Paul.
Prerequisite: permission of the instructor, department chair and college dean.

FINC 498 Seminar (1–5)
Prerequisite: permission of the instructor, department chair and college dean.

FINC 499 Directed Study (1–5)
Prerequisite: permission of the instructor, department chair and college dean.

DSCI 447 Design of Experiments (4)
Prerequisite: DSCI 346 or equivalent or permission of the instructor.

An in-depth study of quantitative business analysis techniques in a variety of organizational environments. Emphasizes the use of the computer and a discussion of quality in the organizational setting.

DSCI 448 Business Simulation (4)
Prerequisite: DSCI 346 or equivalent or permission of the instructor.

An examination of probabilistic robabilistic models in decision science, with emphasis on discrete event simulation.

DSCI 449 Multivariate Data Analysis (4)
Prerequisite: DSCI 346 or equivalent.

Multivariate data analysis methods are used in fields such as business, engineering, education, data mining and many others. This course examines the concepts and principles of the various statistical methods used in the analysis of multiple simultaneous measurements on the subjects under investigation. Software is heavily used to support the studies in this course.

DSCI 450 Quantitative Communications (4)
Prerequisite: DSCI 346 or equivalent.

Quantitative results are often communicated poorly in both a practical and a philosophical level. This course examines methods used in the presentation of statistical results to non-statistically oriented audiences. Data visualization, non-technical writing and presentation skills are strongly emphasized.

DSCI 499 Directed Study (1–5)
Prerequisite: permission of the instructor, department chair and college dean.

IBUS 470 International Business Management (4)
Cross-listed: MGMT 470.
Prerequisite: junior standing.
Satisfies: international studies university graduation requirement.

Analysis of the impact of international business variables on global organizations and the impact of these organization on the societies in which they operate.

IBUS 471 Multinational People Management (4)
Cross-listed: MGMT 471.
Prerequisite: junior standing.
Satisfies: international studies university graduation requirement.

A systems approach to multinational human resource management incorporating three interrelated subsystems: internal (the multinational company), external (the nation state) and the individual (the manager) in a cross-cultural context.
IBUS 472 Global Marketing Management (4)
Cross-listed: MKTG 472
Prerequisite: IBUS 470
This course provides an overview of the strategies and practices utilized by multinational organizations in competing in a global marketplace. Emphasis is placed on the use of information technology in marketing decision making.

MGMT 471 Multinational People Management (4)
Cross-listed: IBUS 471
Prerequisite: junior standing
Satisfies: international studies university graduation requirement.
This course examines the management of human resources in multinational organizations. Topics include international human resource management strategies, cross-cultural management, and the impact of global markets on human resource decision making.

IBUS 474 International Financial Management (4)
Cross-listed: FINC 474
Prerequisite: FINC 335
This course focuses on the management of international financial relationships. Topics include international financial markets, foreign exchange, and international banking.

MISC 311 Information Technology in Business (4)
Prerequisite: junior standing
This course provides an introduction to the use of information technology in business. Topics include computer hardware, software, networks, and the Internet.

MISC 370 Multimedia Production of Business Documents (4)
Prerequisite: MISC 311 or equivalent
Learning objectives include the ability to create multimedia documents using software tools such as word processors and presentation programs.

MISC 371 Business Applications Program Design (4)
Prerequisite: MISC 311 or CSCD 210 or permission of the instructor.
This course provides a practical introduction to the design and implementation of business applications using a variety of programming languages and software tools.

MISC 372 Data Communications and Networking Fundamentals (4)
Prerequisite: MISC 311 or CSCD 210 or permission of the instructor.
This course focuses on the principles and practices of data communications and networking.

MISC 374 Spreadsheet Modeling for Business Applications (4)
Prerequisite: MISC 311 or CSCD 211 or permission of the instructor.
This course teaches the use of spreadsheet software for business decisions and data analysis.

MISC 375 Expert Systems Applications in Business (4)
Prerequisite: MISC 311 or CSCD 211 or permission of the instructor.
This course introduces the principles and applications of expert systems in business decision making.

MISC 481 Systems Analysis and Design (4)
Prerequisite: MISC 373 or CSCD 327.
This course provides an in-depth study of systems analysis and design techniques using CASE tools. Emphasis is placed on the development of databases and information systems.

MISC 482 Systems Project (4)
Prerequisite: MISC 371 and MISC 481.
This course involves a project to develop an information system for a business organization. Students must work in teams to design and implement the system using CASE tools.

Management Information System Courses

MGMT 422 Entrepreneurship (4)
Prerequisite: junior standing.
A study of entrepreneurial qualities and methods used to start and expand business ventures. Emphasis is placed on identifying opportunities and creating value.

MGMT 424 Equity and Equality in the Workplace (3)
Cross-listed: WMAST 424.
Prerequisite: ENGL 201.
This course examines feminist theory, the law and business management theories as they apply to equity and equality in the workplace. The course is an integrated approach to business and gender issues.

MGMT 426 Partnership (4)
Prerequisite: junior standing.
A study of partnership law and practice. Emphasis is placed on the role of partnerships in business decision making.

MGMT 433 Organizational Behavior (4)
Prerequisite: MGMT 326.
This course analyzes the behavior of individuals and groups in organizations. Emphasis is placed on understanding individual attitudes and behaviors, and their impact on organizational effectiveness.

MGMT 470 International Business Management (4)
Cross-listed: IBUS 470.
Prerequisite: junior standing.
Satisfies: international studies university graduation requirement.
Analysis of the impact of international business variables on global organizations and the impact of these organizations on the societies in which they operate.

MISC courses numbered 370 and higher have restricted enrollment. See Business Administration Course Enrollment Policies.

Terms offered: check with the department or EastEagleNet.

MGMT 490 Senior Capstone (4)
Prerequisite: permission of the instructor.
This course is designed for students in their final year of study. It is a self-directed, project-based course that allows students to apply the knowledge and skills they have acquired to a real-world business problem.

EGMT 491 Faculty Research Seminar (1–5)
Prerequisite: permission of the instructor.
A seminar for faculty to present research in progress and receive feedback. The course is designed to facilitate the development of academic research.

MGMT 493 Directed Study (1–5)
Prerequisite: permission of the instructor, department chair and college dean.

EGMT 495 Seminar (1–5)
Prerequisite: permission of the instructor, department chair and college dean.

EGMT 497 Independent Study (1–15)
Prerequisite: permission of the instructor.
This course provides an opportunity for students to pursue independent research or study.

MGMT courses numbered 400 and higher have restricted enrollment. See Business Administration Course Enrollment Policies.

Terms offered: check with the department or EagleNet.
**Marketing Courses**

MKTG courses numbered 316 and higher have restricted enrollment. See Business Administration Course Enrollment Policies.

**Terms offered:** check with the department or EagleNET.

**MKTG 310 Principles of Marketing (4)**
Prerequisite: junior standing.
An introduction to marketing. The marketing mix: product offering, supply chain management, pricing, promotion and introduction to buyer behavior.

**MKTG 399 Directed Study (1–5)**
Prerequisite: permission of the instructor, department chair and college dean.

**MKTG 400 Buyer Behavior (4)**
Prerequisite: MKTG 310.
Study of the buyer decision-making process, both consumer and industrial, for the purpose of planning and implementing successful marketing strategies. Includes an examination of both the internal psychological and external sociological factors influencing the decision-making process and how these factors relate to strategic marketing decisions such as product development, segmentation and positioning.

**MKTG 411 Marketing Research (4)**
Prerequisite: MKTG 310 and DSCI 346.
A practical and theoretical approach to understanding and applying the procedures and methods used in collecting and analyzing market information for managerial decision-making. Topics include research design, data collection, sampling, questionnaire design, qualitative research methods, processing and interpreting data and presentation of findings. An applied approach provides practical application of methods studied.

**MKTG 412 Marketing Management (4)**
Prerequisite: MKTG 400 and MKTG 411.
An exploration of key marketing management variables such as buyer behavior, market segmentation and product positioning, product policy, pricing, distribution, promotion and market research in the contexts of strategy development, decision making, implementation and control.

**MKTG 413 Integrated Marketing Communications (4)**
Prerequisite: MKTG 412.
A practical and theoretical approach to understanding communications theory and how advertising, sales promotion, public relations and direct marketing are designed and used by organizations in communicating with various publics.

**MKTG 414 Retail Management (4)**
Prerequisite: MKTG 310.
A study of the strategies used by retailers as critical members of a supply chain. The relationships among store organization, human resource management and the retail strategies used by various types of retail outlets are investigated. Merchandising policies (buying, selling, stock control and management), various control strategies, promotion and public relations activities are also covered.

**MKTG 416 Sales Force Management (4)**
Prerequisite: MKTG 310.
This course covers the concepts and theories associated with planning, organizing, evaluating, controlling and managing a professional sales force.

**MKTG 417 Marketing Analysis (4)**
Prerequisite: MKTG 412.
Strategical analysis of managerial marketing issues involving market trends, marketing research, product planning, distribution channels, pricing, promotion, social trends and the influence marketing strategy has on society.

**MKTG 444 Applied Promotion (4)**
Prerequisite: MKTG 310.
This course involves students in the research, planning, implementation and evaluation of a promotional event for a local business or organization. A variety of marketing principles are applied in a hands-on real world experience.

**MKTG 472 Global Marketing Management (4)**
Prerequisite: BUS 470/MGMT 470 or MKTG 310.
A practical approach to understanding the implications to marketing functions that result from competing in a global marketplace. Marketing function differences and similarities are explored across national borders and cultures.

**MKTG 481 Sports Marketing (4)**
Prerequisite: MKTG 310.
Explores the essentials of effective sports marketing, such as the nature of sports products, sports consumers, sports research, sports product development, sponsorship and licensing. Looks at the marketing of sports and sport products as well as marketing through sports.

**MKTG 495 Internships (1–5)**
Note: graded Pass/Fail.
Prerequisite: permission of the instructor, department chair and college dean.

**MKTG 498 Seminar (1–5)**
Prerequisite: permission of the instructor, department chair and college dean.

**MKTG 499 Directed Study (1–5)**
Prerequisite: permission of the instructor, department chair and college dean.

**Operations Management Courses**

**OPSM 330 Operations Management (4)**
Prerequisites: completion of CPLA 100 and 101 or CPLA 120 and DSCI 245 (or equivalent) and one of the following: MATH 142, MATH 161 or MATH 200.

An integrating study focusing upon the models and methods of production and operations management. Managerial approaches to planning, scheduling and controlling both product and service. Tools include process analysis, plant location, plant layout, capacity planning, inventory control, forecasting, materials requirements planning, PERT, CPM and quality control. Also studies computer-based operations control systems applicable to the above topics.

**OPSM 425 Service and Operations Analysis (4)**
Prerequisite: OPSM 330.
This is an integrative course including analysis of both service and manufacturing organizations. The course focuses on case studies and applied quantitative techniques for managing the entire operations of a firm. Decision-making is emphasized through computer simulation and interactive discussion of field and textbook case studies.

**OPSM 428 Global Supply Chain Management (4)**
Prerequisite: permission of the instructor, department chair and college dean.

This course examines the actions and values responsible for continuous improvement in the design, development and management process of an organization’s supply system through the use of writings and case studies which may include company visits. The objective of the course is to understand how to improve the supply system’s profitability and ensure its survival as well as the profitability and survival of its customers and suppliers. Global issues and development of supplier relationships are integrated throughout the course material. Cases and field trips are included as appropriate.

**OPSM 441 Quality Management (4)**
Prerequisite: OPSM 330.
This course is a review and application of quality management concepts in public and private enterprises. Both qualitative and quantitative techniques are analyzed. Case studies and field trips are included as appropriate.

**OPSM 495 Internships (1–5)**
Note: graded Pass/Fail.
Prerequisite: permission of the instructor, department chair and college dean.

**OPSM 498 Seminar (1–5)**
Prerequisite: permission of the instructor, department chair and college dean.

**OPSM 499 Directed Study (1–5)**
Prerequisite: permission of the instructor, department chair and college dean.
Your work is going to fill a large part of your life, and the only way to be truly satisfied is to do what you believe is great work. And the only way to do great work is to love what you do.
Steve Jobs (1955–2011)
UNDERGRADUATE PROGRAMS

BACHELOR OF ARTS IN EDUCATION (BAE)

A Business and Marketing Education (BME) student will become fully Career and Technical Education (CTE) certified to teach any business or marketing course in Washington state’s grades 4–12.

Business and marketing courses offered in high school, junior high, middle school, and skills centers prepare students to think, communicate, and problem solve through real-world applications. Business/marketing teachers help students become educated and thoughtful consumers, achieve success in the workplace, and value life-long learning.

A Bachelor of Arts in Education with a Business & Marketing Education (BME) major provides a way for teachers with practical business/marketing experience to share their knowledge and expertise in the secondary education classroom. They will receive their Washington State teaching license in secondary education. Their CTE certification in business/marketing allowing them to teach any business/marketing subject offered in grades 4–12. Please see Education Department for more information on secondary education requirements.

This route to certification allows you to teach any of the 50+ business or marketing courses a school might offer. The degree also certifies you to coordinate work-site learning educational opportunities at a qualified worksite outside the classroom, linking high school students’ work experiences with classroom learning; and the degree certifies you to instruct the career choices course, facilitating career development, job retention, and resource management. This BAE degree also exceeds the requirements to teach at a community college or technical college.

The Business and Marketing major is offered in conjunction with the College of Education and Human Development. The College of Business and Public Administration provides the required business-related courses in business administration, computer applications, accounting, and career and technical education. The Department of Education provides courses in professional education and advising toward teacher certification within the state of Washington.

All of the career and technical education and business requirements are offered online. Tuition for online courses differs from on-campus courses; please contact Student Financial Services for current tuition rates.

Grade Requirements for Graduation Students seeking a BAE degree must achieve:

- a minimum grade ≥2.0 in each course required for the major;
- formal admission to the BAE program.

Required courses in the following programs of study may have prerequisites. Reference the course description section for clarification.

Student Learning Outcomes—students will:

- apply integrate the state’s Common Core Competencies and 21st Century skills in the program implementation and assessment and, in addition, be able to identify the diverse needs of students and implement programs and strategies that promote student competency and success;
- create and sustain safe learning environment that prepare diverse students for the workplace, advanced training, and continuing education;
- model personal and professional attributes and leadership skills that reflect productive life and work roles as well as implement and maintain collaborative partnerships with students, colleagues, community, business, industry, and families that maximize resources and promote student self-sufficiency;
- demonstrate workplace competencies in keyboarding and digital input; information technology clusters; information systems management; information processing applications; technical communications; principles of entrepreneurship, marketing essentials, business management, accounting and computation; economics and finance; international business; and business law;
- demonstrate teaching competence in all areas listed in the fourth learning goal above, including career development, work-based coordination, integration of leadership development into the curriculum and management.

BUSINESS AND MARKETING EDUCATION/SECONDARY MAJOR OR ADD-ON ENDORSEMENT (72 CREDITS)

SECONDARY EDUCATION CORE (43 CREDITS)

Note: see the Education Department for prerequisites, core requirements and additional SLOs.

(For students/teachers who currently possess a Washington State Teaching Certificate) This add-on satisfies the endorsement for grades 4–12.

Required Courses

- ACCT 251 Principles of Financial Accounting (5)
- ACCT 261 Business Law (4)
- ACCT 351 Intermediate Accounting 1 (4)
- BUED 302 Business Communications (4)
- BUED 376 Multimedia Document Design (5)
- BUED 477 Methods of Teaching Basic Business, Accounting, Business . . . (4)
- BUED 476 Methods of Teaching Keyboarding and Microcomputer Applications (4)
- CTED 301 Philosophy of Career and Technical Education (4)
- CTED 474 Administration of Career and Technical Education (4)
- DSCI 245 Data Analysis for Business (4)
- ECON 200 Introduction to Microeconomics (5)
- ECON 201 Introduction to Macroeconomics (5)
- HUMR 328 Human Resource Management (4)
- MGMT 422 Entrepreneurship (4)
- MISC 311 Information Technology in Business (4)
- MISC 372 Data Communications and Networking Fundamentals (4)
- MKTG 310 Principles of Marketing (4)

Total credits for above major 72 credits

Note: completion of university competencies in computer literacy and writing and university proficiency in math required prior to taking lower division required courses.

Note: completion of university proficiency in writing required prior to taking upper division required courses.

Note: the above major takes more than 12 quarters at an average of 15 credits per quarter.

Note: in addition, career and technical education certification within business and marketing education includes a minimum of 2,000 hours of paid related work experience in business, student teaching in business and passage of the West-E state exam in business and marketing.
BUSINESS EDUCATION

Business and Marketing Education Courses

Terms offered: check with the department or EagleNET.

BUED 302 Business Communication (4)
Prerequisite: junior standing.
Emphasis is placed on functional writing. This course develops skills and techniques in writing business letters, office communications and business reports.

BUED 376 Multimedia Document Design
Prerequisite: MISC 311.
Learn concepts in Microsoft Word, Excel, PowerPoint and Access to create and design formal and technical documents such as reports, letters, charts, spreadsheets and databases. Students prepare for and take the Microsoft Office Specialist certification exams in Word and Excel and, if desired, PowerPoint and Access. The course uses problem solving and critical thinking methods of learning without the use of texts in three of the applications.

BUED 399 Directed Study (1–5)
Prerequisite: permission of the instructor, department chair and college dean.

BUED 475 Methods of Teaching Basic Business, Accounting, Business English and Marketing (4)
Prerequisites: ACCT 351, BUED 302, EDUC 341, MKTG 310.
Materials, methods, and techniques of teaching basic business subjects: marketing, accounting and business English.

BUED 476 Methods of Teaching Keyboarding and Microcomputer Applications (4)
Prerequisites: EDUC 341, MISC 370, 373, 374.
Materials, methods and techniques of teaching keyboarding and microcomputer applications.

BUED 499 Directed Study (1–5)
Prerequisite: permission of the instructor, department chair and college dean.

Career and Technical Education Courses

Terms offered: check with the department or EagleNET.

CTED 300 Introduction to Career and Technical Education (4)
Prerequisite: acceptance into the CTE Plan 2 program.
This course is an introduction to the elements of Career and Technical Education (formerly vocational) and, specifically, business/industry route certification (Plan 2). Required for Plan 2 students, this course also includes current components of education in Washington state and the nation and their implications for Career and Technical Education.

CTED 301 Philosophy of Career and Technical Education (4)
Prerequisite: junior standing or permission of the instructor.
Study of the role of vocational education in the American education system at all levels including philosophy and purpose, state and federal legislative acts, alternative delivery systems and their components, certification standards and funding alternatives.

CTED 309 CTE Classroom Management (4)
Prerequisite: acceptance into the CTE Plan 2 program.
This course addresses instructional practices that provide inclusive learning environments to support diverse learners at the secondary (7–12) level. Candidates develop skills in identifying barriers to student success, selecting strategies that support learners while differentiating learning for student success, and incorporating strategies to assist students in becoming self-managers and accountable for their actions and learning.

CTED 341 CTE Secondary Strategies (4)
Prerequisite: acceptance into the CTE Plan 2 program.
This course focuses on assessment and instructional practices for the secondary (7–12) level. The course develops skills in lesson planning, creating student-centered learning environments, implementing strategies to align instruction and outcomes to state and national standards, and teaching core standards in context through project and problem-based processes.

CTED 399 Directed Study (1–5)
Prerequisite: permission of the instructor, department chair and college dean.

CTED 470 Coordination Techniques (3)
Designed for instructors who plan to develop and use worksites for internships and job placement, this course will enable students to demonstrate knowledge and understanding of state laws and rules that pertain to all types of high school work-based learning experiences.

CTED 474 Administration of Career and Technical Education (4)
Prerequisite: junior standing.
Operational procedures for conducting work-based learning environments. Includes occupational analysis techniques, school-to-work partnerships and linking classroom learning to the workplace.

CTED 499 Directed Study (1–5)
Prerequisite: permission of the instructor, department chair and college dean.
**UNDERGRADUATE PROGRAMS**

Chemistry occupies a unique position within the modern sciences. Ultimately, most of the phenomena in the biological, geological, physical, environmental and medical sciences can be expressed in terms of the chemical and physical behavior of atoms and molecules. Because of chemistry's key role, majors in chemistry and biochemistry are well prepared to pursue careers in a wide variety of disciplines.

The department offers programs leading to the Bachelor of Science and the Bachelor of Arts. These programs prepare students for careers in chemistry, biochemistry, biotechnology, medicine and related fields, forensic science, environmental science and education. The department's professional BS option is approved by the American Chemical Society. BS degrees are recommended for students planning professional careers in chemistry or related areas, while BA degrees are recommended for students with other career goals.

Students majoring in chemistry have the opportunity to engage in research projects with department faculty and to gain experience with modern instrumental techniques including gas and liquid chromatography; ultra-violet, visible, infra-red and atomic absorption spectrophotometry; nuclear magnetic resonance; x-ray diffraction; and laser photoacoustics. Upon graduation, our students are knowledgeable, experienced and independent laboratory workers.

**General Admissions Requirements for Chemistry and Biochemistry:**

- Students considering a major in Chemistry and Biochemistry should complete a high school chemistry course and mathematics courses.
- **Students considering a major in Chemistry and Biochemistry:** should be completed prior to the junior year. Completion of a computer programming course is recommended before taking CHEM 431. Some students with other career goals.

- **Academic Policy:** due to the cumulative nature of chemistry courses, the department strongly recommends that students receive a grade $\geq 2.0$ in all prerequisite chemistry courses.

**Admissions Requirements for Chemistry Majors:** Chemistry courses must be taken in proper sequence and with certain prerequisites satisfied. To graduate within four years, chemistry majors must take CHEM 151, CHEM 152 and CHEM 153 during their freshman year. The physics and mathematics supporting courses must also be started without delay.

- Students should complete MATH 161, MATH 162 and MATH 163 their first year, PHYS 151, PHYS 152 and PHYS 153 or PHYS 131, PHYS 132 and PHYS 133 and the lab courses PHYS 161, PHYS 162 and PHYS 163 should be completed prior to the junior year. Completion of a computer programming course is recommended before taking CHEM 431. Some graduate schools require that students be able to read scientific literature in a modern foreign language, so those planning graduate study are urged to complete two years of foreign language study.

- **Required Courses**
  - CHEM 151 General Chemistry (5)
  - CHEM 152 General Chemistry (5)
  - CHEM 153 General Chemistry (5)
  - PHYS 151 General Physics I (4)
  - PHYS 152 General Physics II (4)
  - PHYS 153 General Physics III (4)
  - MATH 161 Calculus I (5)
  - MATH 162 Calculus II (5)

- **Electives (4 credits)**
  - Select 500-level or above Chemistry and Biochemistry courses (exclusive of CHEM 390)

- **Suggested Supporting Course** (See your chemistry/biochemistry advisor.)

  - Required Supporting Course
  - Completion of a computer programming course is strongly recommended.

**General Admissions Requirements for Transfer Students:** students transferring from other institutions are urged to consult with the department chair to plan their Eastern program of study.

- **Admissions Requirements for Transfer Students:** students transferring from other institutions are urged to consult with the department chair to plan their Eastern program of study.

- **Academic Policy:** due to the cumulative nature of chemistry courses, the department strongly recommends that students receive a grade $\geq 2.0$ in all prerequisite chemistry courses.

- **Information Regarding Pre-Pharmacy School Courses:** students interested in this pre-professional program should contact a departmental advisor regarding the curriculum, application procedures and professional aptitude examinations.

  - Required courses in the following programs of study may have prerequisites. Reference the course description section for clarification.

**BACHELOR OF ARTS (BA)**

**Student Learning Outcomes—students will:**

- demonstrate a knowledge of major concepts in the areas of inorganic, organic, analytical, and physical chemistry;
- demonstrate sufficient preparation in chemistry to successfully compete in a science-related career;
- demonstrate a capacity to use modern instrumentation and classical techniques for the analysis and/or separation of chemicals and an ability to interpret data;
- demonstrate effective oral and written communication skills and critical thinking skills as related to the field of chemistry;
- demonstrate knowledge of safe practices in the handling, usage and disposal of chemicals.

**CHEMISTRY/BIOCHEMISTRY MAJOR WITH GENERAL OPTION (80–82 CREDITS)**

This program features less concentration in chemistry than the bachelor of science and is not intended to prepare students for employment as a professional chemist.

- **Required Courses (46–48 credits)**
  - CHEM 151 General Chemistry (5)
  - CHEM 152 General Chemistry (5)
  - CHEM 153 General Chemistry (5)
  - CHEM 304 Quantitative Analysis (6)
  - CHEM 351 Organic Chemistry (4)
  - CHEM 352 Organic Chemistry (4)
  - CHEM 372 Organic Chemistry Lab I (3)
  - CHEM 421 Physical Chemistry (4)
  - CHEM 422 Physical Chemistry (3)
  - CHEM 431 Physical Chemistry Lab (1)
  - CHEM 432 Physical Chemistry Lab (2)
  - CHEM 491 Senior Thesis (4–6)

- **Required Supporting Courses (30 credits)**
  - MATH 161 Calculus I (5)
  - MATH 162 Calculus II (5)
  - MATH 163 Calculus III (5)
  - PHYS 151 General Physics I (4)
  - PHYS 152 General Physics II (4)
  - PHYS 153 General Physics III (4)
  - PHYS 161 Mechanics Lab (1)
  - PHYS 162 Heat and Optics Lab (1)
  - PHYS 163 Instrumentation Lab I (1)

- **Electives (4 credits)**
  - Select 500-level or above Chemistry and Biochemistry courses (exclusive of CHEM 390)

- **Suggested Supporting Course** (See your chemistry/biochemistry advisor.)

  - Required Supporting Course
  - Completion of a computer programming course is strongly recommended.

  - Required program credits: 46–48 credits
  - Required supporting credits: 30 credits
  - Elective credits: 4 credits
  - Minimum total credits for above major: 80 credits
  - Suggested supporting credits: 5 credits
**BACHELOR OF ARTS IN EDUCATION (BAE)**

*Note: see the Education Department for prerequisites, core requirements and additional SLOs.*

**Student Learning Outcomes—students will:**

- demonstrate a knowledge of major concepts in the areas of inorganic, organic, analytical and physical chemistry;
- demonstrate knowledge and skills sufficient for them to safely teach chemistry in the secondary school setting;
- demonstrate a capacity to use modern instrumentation and classical techniques for the analysis and/or separation of chemicals and an ability to interpret data;
- demonstrate effective oral and written communication skills and critical thinking skills as related to the field of chemistry;
- demonstrate knowledge of safe practices in the handling, usage and disposal of chemicals.

**CHEMISTRY/BIOCHEMISTRY/SECONDARY MAJOR (81 CREDITS)**

**SECONDARY EDUCATION CORE (43 CREDITS)**

This major satisfies the endorsement for grades 5–12.

**Required Courses (51 credits)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
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<tbody>
<tr>
<td>CHEM 151</td>
<td>General Chemistry (5)</td>
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<tr>
<td>CHEM 152</td>
<td>General Chemistry (5)</td>
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<tr>
<td>CHEM 153</td>
<td>General Chemistry (5)</td>
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<tr>
<td>CHEM 304</td>
<td>Quantitative Analysis (6)</td>
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<tr>
<td>CHEM 316</td>
<td>Environmental Chemistry (5)</td>
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<tr>
<td>or CHEM 121</td>
<td>Chemistry and its Role in Society (5)</td>
</tr>
<tr>
<td>CHEM 351</td>
<td>Organic Chemistry (4)</td>
</tr>
<tr>
<td>CHEM 352</td>
<td>Organic Chemistry (4)</td>
</tr>
<tr>
<td>CHEM 372</td>
<td>Organic Chemistry Lab I (3)</td>
</tr>
<tr>
<td>CHEM 421</td>
<td>Physical Chemistry (4)</td>
</tr>
<tr>
<td>CHEM 422</td>
<td>Physical Chemistry (3)</td>
</tr>
<tr>
<td>CHEM 480</td>
<td>Biochemistry (5)</td>
</tr>
<tr>
<td>CHEM 390</td>
<td>Chemistry Methods for the Secondary School (1)</td>
</tr>
<tr>
<td>SCED 390</td>
<td>Secondary Science Teaching Methods (1)</td>
</tr>
</tbody>
</table>

**Required Supporting Courses (30 credits)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 161</td>
<td>Calculus I (5)</td>
</tr>
<tr>
<td>MATH 162</td>
<td>Calculus II (5)</td>
</tr>
<tr>
<td>MATH 163</td>
<td>Calculus III (5)</td>
</tr>
<tr>
<td>PHYS 151</td>
<td>General Physics I (4)</td>
</tr>
<tr>
<td>PHYS 152</td>
<td>General Physics II (4)</td>
</tr>
<tr>
<td>PHYS 153</td>
<td>General Physics III (4)</td>
</tr>
<tr>
<td>PHYS 161</td>
<td>Mechanics Lab (1)</td>
</tr>
<tr>
<td>PHYS 162</td>
<td>Heat and Optics Lab (1)</td>
</tr>
<tr>
<td>PHYS 163</td>
<td>Instrumentation Lab I (1)</td>
</tr>
</tbody>
</table>

**Select one of the following three courses (4 credits)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 454</td>
<td>Clinical Chemistry (4)</td>
</tr>
<tr>
<td>CHEM 423</td>
<td>Physical Chemistry (3)</td>
</tr>
<tr>
<td>CHEM 420</td>
<td>Instrumental Analysis (5)</td>
</tr>
</tbody>
</table>

**CHEMISTRY/BIOCHEMISTRY MAJOR WITH BIOCHEMISTRY OPTION (126–129 CREDITS)**

This program is recommended for students planning to go directly into professional fields of biochemistry, for students planning to attend graduate school in biochemistry, molecular biology or pharmacology and for students planning to enter professional schools such as medicine, veterinary medicine or pharmacy.

**Required Courses (71–75 credits)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 151</td>
<td>General Chemistry (5)</td>
</tr>
<tr>
<td>CHEM 152</td>
<td>General Chemistry (5)</td>
</tr>
<tr>
<td>CHEM 153</td>
<td>General Chemistry (5)</td>
</tr>
<tr>
<td>CHEM 304</td>
<td>Quantitative Analysis (6)</td>
</tr>
<tr>
<td>CHEM 351</td>
<td>Organic Chemistry (4)</td>
</tr>
<tr>
<td>CHEM 352</td>
<td>Organic Chemistry (4)</td>
</tr>
<tr>
<td>CHEM 353</td>
<td>Organic Chemistry (3)</td>
</tr>
<tr>
<td>CHEM 372</td>
<td>Organic Chemistry Lab I (3)</td>
</tr>
<tr>
<td>CHEM 421</td>
<td>Physical Chemistry (4)</td>
</tr>
<tr>
<td>CHEM 422</td>
<td>Physical Chemistry (3)</td>
</tr>
<tr>
<td>CHEM 431</td>
<td>Physical Chemistry Lab (1)</td>
</tr>
<tr>
<td>CHEM 480</td>
<td>Biochemistry (5)</td>
</tr>
<tr>
<td>CHEM 481</td>
<td>Intermediary Metabolism (5)</td>
</tr>
<tr>
<td>CHEM 482</td>
<td>Integrated Topics in Biochemistry and Biophysics (3)</td>
</tr>
<tr>
<td>CHEM 483</td>
<td>Biochemistry Lab (2)</td>
</tr>
<tr>
<td>CHEM 484</td>
<td>Biochemistry Lab (2)</td>
</tr>
<tr>
<td>CHEM 491</td>
<td>Senior Thesis (4–6)</td>
</tr>
</tbody>
</table>

**Select one of the following four courses (3–5 credits)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 419</td>
<td>Inorganic Chemistry (5)</td>
</tr>
<tr>
<td>CHEM 420</td>
<td>Instrumental Analysis (5)</td>
</tr>
<tr>
<td>CHEM 423</td>
<td>Physical Chemistry (3)</td>
</tr>
<tr>
<td>CHEM 454</td>
<td>Clinical Chemistry (4)</td>
</tr>
</tbody>
</table>

**Select one of the following three courses (4 credits)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 395</td>
<td>Internships (Var)</td>
</tr>
<tr>
<td>CHEM 498</td>
<td>Seminar (Var)</td>
</tr>
<tr>
<td>CHEM 499</td>
<td>Directed Study (Var)</td>
</tr>
</tbody>
</table>

**Required Supporting Courses (55 credits)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 171</td>
<td>Biology I (5)</td>
</tr>
<tr>
<td>BIOL 172</td>
<td>Biology II (3)</td>
</tr>
<tr>
<td>BIOL 173</td>
<td>Biology III (5)</td>
</tr>
<tr>
<td>BIOL 310</td>
<td>Genetics (5)</td>
</tr>
<tr>
<td>BIOL 438</td>
<td>Molecular Biology (5)</td>
</tr>
<tr>
<td>MATH 161</td>
<td>Calculus I (5)</td>
</tr>
<tr>
<td>MATH 162</td>
<td>Calculus II (5)</td>
</tr>
<tr>
<td>MATH 163</td>
<td>Calculus III (5)</td>
</tr>
<tr>
<td>PHYS 151</td>
<td>General Physics I (4)</td>
</tr>
<tr>
<td>PHYS 152</td>
<td>General Physics II (4)</td>
</tr>
<tr>
<td>PHYS 353</td>
<td>General Physics III (4)</td>
</tr>
<tr>
<td>PHYS 161</td>
<td>Mechanics Lab (1)</td>
</tr>
<tr>
<td>PHYS 162</td>
<td>Heat and Optics Lab (1)</td>
</tr>
<tr>
<td>PHYS 163</td>
<td>Instrumentation Lab I (1)</td>
</tr>
</tbody>
</table>

**Suggested Supporting Course** (See your chemistry/biochemistry advisor.)

Completion of a computer programming course is strongly recommended.

**Required program credits** 71 credits

**Required supporting credits** 55 credits

**Minimum total credits for above major** 126 credits

*Note: the above option will require more than 12 terms (or 4 years) to complete at an average of 15 credits per term.*
CHEMISTRY/BIOCHEMISTRY MAJOR WITH FORENSIC SCIENCE OPTION (150 CREDITS)

The forensic science option prepares students for entry-level positions in state and federal forensic science labs as well as for graduate and professional schools. Competitive internships at regional forensic labs are integrated into the curriculum along with research and independent study. Students must complete 45 hours of specified core courses (see footnote) with a combined minimum GPA ≥3.0 before being eligible to declare the forensic major. For all internships with law enforcement agencies, students will be required to pass a thorough background check. It is assumed that the student will enter the program ready to take MATH 161. To finish in four years, students must take an average load of more than 15 credits per quarter.

Required Chemistry Courses (85 credits)
CHEM 140 Criminalistics and Forensic Chemistry (5)
CHEM 151 General Chemistry (5)
CHEM 152 General Chemistry (5)
CHEM 153 General Chemistry (5)
CHEM 304 Quantitative Analysis (6)
CHEM 319 Modern Inorganic Chemistry (4)
CHEM 351 Organic Chemistry (4)
CHEM 352 Organic Chemistry (4)
CHEM 353 Organic Chemistry (3)
CHEM 372 Organic Chemistry Lab I (3)
CHEM 373 Organic Chemistry Lab II (3)
CHEM 420 Instrumental Analysis (5)
CHEM 421 Physical Chemistry (4)
CHEM 422 Physical Chemistry (3)
CHEM 431 Physical Chemistry Laboratory (1)
CHEM 445 Topics in Forensic Science (5)
CHEM 450 Advanced Forensic Chemistry (5)
CHEM 480 Biochemistry (5)
CHEM 399/495/499 Internship/Research (5)
CHEM 491 Senior Thesis (5)

Required Supporting Courses (65 credits)
Biol 171 Biology I (5)
Biol 172 Biology II (5)
Biol 175 Biology III (5)
Biol 310 Fundamentals of Genetics (5)
Biol 438 Molecular Biology (5)
Crim 300 Introduction to the Criminal Justice System (5)
Math 161 Calculus I (5)
Math 162 Calculus II (5)
Math 163 Calculus III (5)
Math 380 Elementary Probability and Statistics (5)
Phys 151 General Physics I (4)
Phys 152 General Physics II (4)
Phys 153 General Physics III (4)
Phys 161 Mechanics Laboratory (1)
Phys 162 Heat and Optics Laboratory (1)
Phys 163 Instrumentation Laboratory (1)

Suggested Supporting Courses (See your chemistry/biochemistry advisor.)
Biol 301 Microbiology (5)
Cmst 201 Public Speaking (5)
Crim 304 Forensic Inquiry (5)
Govt 205 Basic Concepts of Criminal Law (5)
Tcom 205 Introduction to Technical Communication (5)

Required program credits: 85 credits
Required supporting credits: 65 credits
Total credits for above major: 150 credits
Suggested supporting credits: 25 credits

Note: 1 Core courses are to be completed before formal acceptance into the forensics major and enrollment in the forensic science internship course.

Note: 2 Students are required to do research on a forensic project and to take it for 5 credits (catalog description states 4–6 credits). Projects must be approved by the forensic science program advisor.

Note: the above option will require more than 12 terms (or 4 years) to complete at an average of 15 credits per term.

CHEMISTRY/BIOCHEMISTRY MAJOR WITH PRE-MED/PRE-DENT/PRE-VET OPTION (133 CREDITS)

This course of study is recommended for students planning a career in medicine, dentistry or veterinary medicine. The option also satisfies requirements for graduate study in related fields of chemical and biological integration, e.g., medicinal chemistry, pharmacology, etc. With respect to medical/dental/veterinary school, coursework outlined for the initial three years is specifically designed to meet basic entrance requirements as well as provide optimum preparation for pre-entrance aptitude examinations (MCAT or DAT or GRE). Additional information can be found under Pre-professional Programs in the Fields of Study section of this catalog.

Required Courses (66 credits)
Biol 471 Pre-Med, Dent, Vet and Pharm Preparation (1)
Chem 151 General Chemistry (5)
Chem 152 General Chemistry (5)
Chem 153 General Chemistry (5)
Chem 304 Quantitative Analysis (6)
Chem 351 Organic Chemistry (4)
Chem 352 Organic Chemistry (4)
Chem 353 Organic Chemistry (3)
Chem 372 Organic Chemistry Lab I (3)
Chem 373 Organic Chemistry Lab II (3)
Chem 395 Internships (1)
Chem 420 Physical Chemistry (4)
Chem 421 Physical Chemistry (3)
Chem 422 Physical Chemistry (3)
Chem 431 Physical Chemistry Lab (1)
Chem 452 Physical Chemistry Lab (2)
Chem 471 Pre-Med, Dent, Vet and Pharm Preparation (1)
Chem 480 Biochemistry (5)
Chem 481 Intermediary Metabolism (5)
Chem 482 Integrated Topics in Biochemistry and Biophysics (3)
Chem 483 Biochemistry Lab (2)

Required Supporting Courses (68 credits)
Bioc 171 Biology I (5)
Bioc 172 Biology II (5)
Bioc 173 Biology III (5)
Bioc 270 Biological Investigation (3)
Bioc 301 Microbiology (5)
Bioc 310 Fundamentals of Genetics (5)
Bioc 438 Molecular Biology (5)
Bioc 490 Dept. Senior Capstone: Integrated Studies in Physiology-Animal (5)
Math 161 Calculus I (5)
Math 162 Calculus II (5)
Math 163 Calculus III (5)
Math 165 Calculus IV (5)
Phys 151 General Physics I (4)
Phys 152 General Physics II (4)
Phys 153 General Physics III (4)
Phys 161 Mechanics Laboratory (1)
Phys 162 Heat and Optics Laboratory (1)
Phys 163 Instrumentation Laboratory (1)

Suggested Supporting Courses
Chem 454 Clinical Chemistry (4)
Chem 499 Directed Study (Var)
PhIL 445 Biomedical Ethics (5)
Tcom 205 Introduction to Technical Communication (5)

One of the following courses (See your chemistry/biochemistry advisor.)
Completion of a computer programming course is strongly recommended.

Required program credits: 66 credits
Required supporting courses: 68 credits
Total credits for above major: 134 credits
Minimum suggested supporting credits: 50 credits

Note: 1 Core courses are to be completed before formal acceptance into the forensics major and enrollment in the forensic science internship course.

Note: 2 Students are required to do research on a forensic project and to take it for 5 credits (catalog description states 4–6 credits). Projects must be approved by the forensic science program advisor.

Note: the above option will require more than 12 terms (or 4 years) to complete at an average of 15 credits per term.
CHEMISTRY/BIOCHEMISTRY MAJOR WITH PROFESSIONAL OPTION (109 CREDITS)

This program is approved by the American Chemical Society and it is recommended for those students who plan to become professional chemists. It provides a broad and strong background in the fundamentals of chemistry and an excellent foundation for graduate school or a career in industry.

**Required Courses (79–81 credits)**
- CHEM 151 General Chemistry (5)
- CHEM 152 General Chemistry (5)
- CHEM 153 General Chemistry (5)
- CHEM 304 Quantitative Analysis (6)
- CHEM 319 Modern Inorganic Chemistry (4)
- CHEM 351 Organic Chemistry (4)
- CHEM 352 Organic Chemistry (4)
- CHEM 353 Organic Chemistry (5)
- CHEM 372 Organic Chemistry Lab I (3)
- CHEM 373 Organic Chemistry Lab II (3)
- CHEM 419 Advanced Inorganic Chemistry (5)
- CHEM 420 Instrumental Analysis (5)
- CHEM 421 Physical Chemistry (4)
- CHEM 422 Physical Chemistry (5)
- CHEM 423 Physical Chemistry (3)
- CHEM 431 Physical Chemistry Lab (1)
- CHEM 432 Physical Chemistry Lab (2)
- CHEM 433 Physical Chemistry Lab (2)
- CHEM 480 Biochemistry (5)
- CHEM 491 Senior Thesis (4–6)

*Select from the following courses (3 credits)*
- CHEM 498 Seminar (1)
- CHEM 499 Directed Studies (1–3)

**Required Supporting Courses (30 credits)**
- MATH 161 Calculus I (5)
- MATH 162 Calculus II (5)
- MATH 163 Calculus III (5)
- PHYS 151 General Physics I (4)
- PHYS 152 General Physics II (4)
- PHYS 153 General Physics III (4)
- PHYS 161 Mechanics Lab (1)
- PHYS 162 Heat and Optics Lab (1)
- PHYS 163 Instrumentation Lab I (1)

**Suggested Supporting Course** (See your chemistry/biochemistry advisor.)
Completion of a computer programming course is strongly recommended.

**CHEMISTRY/BIOCHEMISTRY MAJOR WITH STANDARD OPTION (95–97 CREDITS)**

This major program provides the normal preparation in chemistry for students planning employment as chemists and considerable chemical background in preparation for careers outside chemistry. It is appropriate for some students who plan to enter professional schools such as dentistry, or public and environmental health.

**Required Courses (54–56 credits)**
- CHEM 151 General Chemistry (5)
- CHEM 152 General Chemistry (5)
- CHEM 153 General Chemistry (5)
- CHEM 304 Quantitative Analysis (6)
- CHEM 351 Organic Chemistry (4)
- CHEM 352 Organic Chemistry (4)
- CHEM 353 Organic Chemistry (3)
- CHEM 372 Organic Chemistry Lab I (3)
- CHEM 421 Physical Chemistry (4)
- CHEM 422 Physical Chemistry (3)
- CHEM 423 Physical Chemistry (3)
- CHEM 431 Physical Chemistry Lab (1)
- CHEM 432 Physical Chemistry Lab (2)
- CHEM 433 Physical Chemistry Lab (2)
- CHEM 491 Senior Thesis (4–6)

*Select one of the following courses (5 credits)*
- CHEM 418 Modern Analytical Chemistry (5)
- CHEM 419 Advanced Inorganic Chemistry (5)
- CHEM 420 Instrumental Analysis (5)

**Required Supporting Courses (30 credits)**
- MATH 161 Calculus I (5)
- MATH 162 Calculus II (5)
- MATH 163 Calculus III (5)
- PHYS 151 General Physics I (4)
- PHYS 152 General Physics II (4)
- PHYS 153 General Physics III (4)
- PHYS 161 Mechanics Lab (1)
- PHYS 162 Heat and Optics Lab (1)
- PHYS 163 Instrumentation Lab I (1)

**Electives (6 credits)**
- Choose 300-level or above Chemistry and Biochemistry courses (exclusive of CHEM 390.)

**Suggested Supporting Course** (See your chemistry/biochemistry advisor.)
Completion of a computer programming course is strongly recommended.

**CHEMISTRY/BIOCHEMISTRY MAJOR WITH STANDARD OPTION (95–97 CREDITS)**

**Required program credits**
- 79–81 credits

**Required supporting credits**
- 30 credits

**Minimum total credits for above major**
- 109 credits

**Total suggested supporting credits**
- 5 credits

**CHEMISTRY/BIOCHEMISTRY MAJOR WITH STANDARD OPTION (95–97 CREDITS)**

**Required program credits**
- 59–61 credits

**Required supporting credits**
- 30 credits

**Elective credits**
- 6 credits

**Minimum total credits for above major**
- 95 credits

**Total suggested supporting credits**
- 5 credits
MINORS

CHEMISTRY/BIOCHEMISTRY MINOR (30 CREDITS)

Required Courses (15 credits)
CHEM 151 General Chemistry (5)
CHEM 152 General Chemistry (5)
CHEM 153 General Chemistry (5)
CHEM 390 Chemistry Methods for the Secondary School (1)
CHEM 390 Secondary Science Teaching Methods (1)

Select from the following courses (9 credits minimum)
CHEM 304 Quantitative Analysis (6)
CHEM 316 Environmental Chemistry (5)
CHEM 319 Modern Inorganic Chemistry (4)
CHEM 351 Organic Chemistry (4)
CHEM 352 Organic Chemistry (4)
CHEM 372 Organic Chemistry Lab I (3)
CHEM 421 Physical Chemistry (4)
CHEM 480 Biochemistry (5)

Electives—select from the following courses (9 credits)
CHEM 416 Advanced Environmental Chemistry (3)
CHEM 417 Environmental Chemistry (5)
CHEM 422 Physical Chemistry (3)
CHEM 431 Physical Chemistry Lab I (3)
CHEM 432 Physical Chemistry Lab II (3)
CHEM 440 Advanced Physical Chemistry (4)
CHEM 445 Advanced Organic Chemistry (2)

Total credits for above minor 26 credits

Note: some graduate courses may be substituted for electives, in consultation with advisor.

CHEMISTRY/BIOCHEMISTRY SECONDARY MINOR (26 CREDITS)

This minor satisfies the endorsement for grades 5–12.

Required Courses (17 credits)
CHEM 151 General Chemistry (5)
CHEM 152 General Chemistry (5)
CHEM 153 General Chemistry (5)
CHEM 390 Chemistry Methods for the Secondary School (1)
S C E D 3 9 0 Secondary Science Teaching Methods (1)

Select from the following courses (9 credits minimum)
CHEM 304 Quantitative Analysis (6)
CHEM 316 Environmental Chemistry (5)
CHEM 319 Modern Inorganic Chemistry (4)
CHEM 351 Organic Chemistry (4)
CHEM 352 Organic Chemistry (4)
CHEM 372 Organic Chemistry Lab I (3)
CHEM 421 Physical Chemistry (4)
CHEM 480 Biochemistry (5)

Elective credits 15 credits
Total credits for above minor 26 credits

Note: with regard to electives, CHEM 397, 497 and 597 as well as other special courses, must be approved by the department chair.

ENVIRONMENTAL CHEMISTRY MINOR (32 CREDITS)

Required Courses (23 credits)
CHEM 151 General Chemistry (5)
CHEM 152 General Chemistry (5)
CHEM 153 General Chemistry (5)
CHEM 316 Environmental Chemistry (5)
CHEM 416 Advanced Environmental Chemistry (3)

Select from the following courses (9 credits)
CHEM 418 Modern Analytical Chemistry (5)
CHEM 419 Advanced Inorganic Chemistry (5)
CHEM 420 Instrumental Analysis (5)
CHEM 421 Physical Chemistry (4)
CHEM 422 Physical Chemistry (3)
CHEM 423 Physical Chemistry (3)
CHEM 431 Physical Chemistry Lab I (1)
CHEM 432 Physical Chemistry Lab I (2)
CHEM 433 Physical Chemistry Lab II (2)
CHEM 440 Advanced Physical Chemistry (4)
CHEM 465 Advanced Organic Chemistry (2)

Total credits for above minor 30 credits

N o t e : required program credits must be approved by the department chair.

HEALTH SCIENCE MINOR (30 CREDITS)

Required Courses
BIOL 232 Human Anatomy and Physiology for Non-Biology Majors (5)
BIOL 233 Human Anatomy and Physiology for Non-Biology Majors (5)
CHEM 161 General Chemistry for the Health Sciences (5)
CHEM 162 Organic Chemistry for the Health Sciences (5)
CHEM 163 Biochemistry for the Health Sciences (5)

Elective credits 9 credits
Total credits for above minor 30 credits

Course Requirements for Teacher Certification/Add-on Endorsements

GENERAL SCIENCE/ADD-ON ENDORSEMENT (65 CREDITS)

(For students who currently possess a Washington State Teaching Certificate.)

This add-on satisfies the endorsement and allows teachers to teach any science for grades 5–12.

To improve the marketability of the science teacher, students may wish to complete this option in addition to their BAE in Biology, Chemistry, Earth and Space Science or Physics.

Required Courses (65 credits)
BIOL 171 Biology I (5)
BIOL 172 Biology II (5)
BIOL 173 Biology III (5)
CHEM 161 General Chemistry for the Health Sciences (5)
CHEM 162 Organic Chemistry for the Health Sciences (5)
CHEM 163 Biochemistry for the Health Sciences (5)

Total credits for above minor 65 credits

GRADUATE PROGRAM

Robin McRae, Chair

The Department of Chemistry does not offer a graduate degree program but does offer graduate-level coursework.
CHEMISTRY AND BIOCHEMISTRY

CHEM 100 Introduction to Chemistry (5) WFS
This course prepares those who have not had a satisfactory background in high school chemistry to take CHEM 151 or 161. Topics include the scientific method, SI and metric systems, unit conversions, atomic structure, periodic table, bonding and stoichiometry. Laboratory work is included.

CHEM 121 Chemistry and its Role in Society (5) WFS
Prerequisite: permission of the instructor.
Satisfies: GECR for natural sciences, chemistry.
Basic chemical principles are used to examine some of the chemistry that most directly impacts individuals and society on a day-to-day basis. The course is designed to develop in students an appreciation for the chemical basis of their bodies and their environment. Emphasis is placed on the dynamic nature of the field of chemistry and efforts are made to dispel many of the common misconceptions that nonscientists often have about chemistry and other natural sciences. Laboratory work is included.

CHEM 140 Criminalistics and Forensic Chemistry (5) WS
Prerequisite: two semesters of high school science or the equivalent are strongly recommended.
This course provides an overview of forensic science and criminalistics including history and the modern role of forensic science in the judicial system. Topics covered include DNA typing, trace evidence analysis, firearms and tool marks and impression evidence. Laboratory work is included. Labs will focus on current forensic techniques.

CHEM 151 General Chemistry (5) F
Prerequisites: completion of MTHD 104 or MATH 107 or MATH 141 or equivalent. For CHEM 151, CHEM 100 or a high school chemistry course is strongly recommended.
Satisfies: The completion of CHEM 151 satisfies a GECR for natural sciences, chemistry. The completion of CHEM 151 and 152 satisfies a second GECR for natural sciences, chemistry.
Topics will include stoichiometry, periodic table and chemical bonding, structure of matter, solutions, equilibrium, thermodynamics, oxidation and reduction, transition metal complexes, nuclear chemistry, kinetics and quantitative laboratory techniques. Laboratory work is included. A placement exam will be given during the first week of CHEM 151.

CHEM 152 General Chemistry (5) W
Note: see description under CHEM 151.
Prerequisites: CHEM 151.
Satisfies: The completion of CHEM 151 satisfies a GECR for natural sciences, chemistry. The completion of CHEM 151 and 152 satisfies a second GECR for natural sciences, chemistry.

CHEM 153 General Chemistry (5) S
Note: see description under CHEM 151.
Prerequisites: CHEM 152.

CHEM 161 General Chemistry for the Health Sciences (5) WFS
Prerequisite: Concurrent enrollment in or completion of MTHD 104 or MATH 107 or MATH 141 or equivalent. A high school chemistry course or CHEM 100 is highly recommended. a GECR for natural sciences, chemistry.
Satisfies: The course includes a survey of inorganic chemistry for pre-nursing, pre-dental hygiene and allied health sciences students. Topics include atomic structure, the periodic table, stoichiometry, solutions, equilibrium, acids and bases. Laboratory work is included. A placement exam will be given during the first week of classes.

CHEM 162 Organic Chemistry for the Health Sciences (5) WFS
Prerequisite: CHEM 161.
Satisfies: GECR for natural sciences, chemistry.
The course is a survey of organic chemistry for pre-nursing, pre-dental hygiene and allied health science students. Topics include atomic structure, bonding and stoichiometry. Laboratory work is included.

CHEM 163 Biochemistry for the Health Sciences (5) WFS
Prerequisite: CHEM 161.
Satisfies: CHEM 163 or BIOL 233 or equivalent, or permission of the instructor.
The course is a survey of biochemistry for pre-nursing, pre-dental hygiene and allied health science students. Topics include amino acids, proteins, enzymes, lipids, carbohydrates, nucleic acids, biotechnology and metabolic pathways. Laboratory work is included.

CHEM 297 Workshops, Short Courses (1–10)
Satisfies: CHEM 297.

CHEM 304 Quantitative Analysis (6) FW
Prerequisite: CHEM 153.
The course introduces students to gravimetric and volumetric analysis with an introduction to some elements of instrumental analysis. Certainties will be placed on local issues such as the Hanford Nuclear Reservation and the environmental impact of mining. Laboratory work is included.

CHEM 316 Environmental Chemistry (5) S
Prerequisites: CHEM 151–153 or 161–163.
The course is an introduction to environmental chemistry covering both fundamental chemical principles and societal implications. Emphasis will be placed on local issues such as the Hanford Nuclear Reservation and the environmental impact of mining. Laboratory work is included.

CHEM 319 Modern Inorganic Chemistry (4) W
Prerequisite: CHEM 153.
This course covers periodicity, group trends, structure-reactivity relationships of the elements and chemical reactions.

CHEM 338 Discovering Women in Science (1)
Cross-listed: BIOL, GEOG, HIST, PHYS, PSYC, WGST, 388.
The course uses several scientific themes to rediscover from the past and find in contemporary research, the women who have made significant contributions to science.

CHEM 350 Principles of Pharmacology (2) S
Prerequisite: CHEM 163, BIOL 233 or equivalent.
The course is primarily intended for the athletic training or other allied health science majors. The course presents a review of the actions of selected groups of elements. Laboratory work is included.

CHEM 351 Organic Chemistry (4) FW
Prerequisite: CHEM 153.
An integrated study of fundamental organic chemistry for chemistry majors and students planning on careers in medicine, dentistry, pharmacy, engineering, or related fields. Emphasizes nomenclature, bonding, reactivity, stereochemistry, synthetic methods, reaction mechanisms, physical properties and spectrometric identification of the principal classes of organic compounds, including biochemical examples.

CHEM 352 Organic Chemistry (4) WS
Note: see description under CHEM 351.
Prerequisite: CHEM 351.

CHEM 353 Organic Chemistry (3) FS
Prerequisite: CHEM 352.
A comprehensive study of the chemistry of polyfunctional carbon compounds.

CHEM 357 Neuropharmacology (2) S
Prerequisites: CHEM 163 and BIOL 233 or equivalent, or permission of the instructor.
The course is primarily intended for pre-medical, pre-dental, pre-pharmacy or other science students. Topics covered include CNS neurotransmitters and their pharmacology, various biochemical hypotenses for neurological disorders and the pharmacology of a variety of psychoactive drug classes of use or abuse.

CHEM 372 Organic Chemistry Laboratory II (3) FS
Prerequisite: CHEM 371.
This course is an introduction to the elementary techniques of the organic laboratory; including synthesis, application of chromatography and spectrometry. This is a laboratory course.

CHEM 373 Organic Chemistry Laboratory II (3) FS
Prerequisites: CHEM 352 and CHEM 372.
This course emphasizes spectrometry, synthesis, structure determination and advanced techniques in isolation, purification and analysis. This is a laboratory course.

CHEM 390 Chemistry Methods for the Secondary School (1) F
Prerequisite: CHEM 153 and concurrent enrollment in SCED 390, or permission of the instructor.
This course is for chemistry majors planning to teach in the secondary schools. It includes organization of lesson materials and techniques and evaluation methods. Laboratory work is included.

CHEM 395 Internships (1–10) WFS
Prerequisites: permission of the instructor, department chair and college dean.
CHEM 397 Workshops, Short Courses, Conferences (1–10) FWS
CHEM 399 Directed Study (1–10) FWS
Prerequisite: permission of the instructor.
CHEM 416 Advanced Environmental Chemistry (3) S
Prerequisites: CHEM 304, 316 and 352 (or concurrent), or permission of the instructor.
This course includes a detailed study of atmospheric, soil, water and waste water chemistry. Aspects of environmental/analytical chemistry will be introduced. Laboratory work will cover aspects of sampling, instrumental analysis and regulatory requirements. Students will concentrate in the area of their particular interest, leading to a comprehensive written research report and presentation. Laboratory work is included.

CHEM 418 Modern Analytical Chemistry (5) F
Prerequisite: CHEM 304.
Principles of recently developed methods of analytical chemistry.

CHEM 419 Advanced Inorganic Chemistry (5) S
Prerequisite: CHEM 151 or CHEM 422, or permission of the instructor.
This course covers ionic, covalent and metallic bonding, complexes, acids and bases, molecular structure, symmetry and thermodynamics of inorganic reactions. It also introduces mechanisms of inorganic reactions and organometallic chemistry of selected groups of elements. Laboratory work is included.

CHEM 420 Instrumental Analysis (5) S
Note: for CHEM 421, completion of a computer programming course is strongly recommended.
Prerequisites: CHEM 304, PHYS 133 or PHYS 153, MATH 141.
Classical and statistical thermodynamics, electrochemistry, quantum theory, kinetics, symmetry, spectroscopic and diffraction methods of structure determination.

CHEM 422 Physical Chemistry (3) W
Note: see description under CHEM 421.
Prerequisites: CHEM 421.

CHEM 423 Physical Chemistry (3) S
Note: see description under CHEM 421.
Prerequisites: CHEM 422.
CHEM 431 Physical Chemistry Laboratory (1) F
Note: for CHEM 421, completion of a computer programming course is strongly recommended. (See your Chemistry/ Biochemistry advisor.)
Prerequisites: concurrent enrollment in CHEM 421. These courses cover data treatment, current physicochemical techniques, computer applications to chemical systems. These are laboratory courses.

CHEM 432 Physical Chemistry Laboratory (2) W
Note: see description under CHEM 431.
Prerequisites: concurrent enrollment in CHEM 422.

CHEM 433 Physical Chemistry Laboratory (2) S
Note: see description under CHEM 431.
Prerequisites: concurrent enrollment in CHEM 423.

CHEM 440 Advanced Physical Chemistry (4) S
Prerequisite: CHEM 423 or concurrent enrollment.
Further development of principles underlying molecular symmetry, group theory and quantum chemistry, with applications to molecular orbitals and molecular spectroscopy. Introduction to semi-empirical calculations of electronic properties of molecules and analysis of spectroscopic data.

CHEM 445 Topics in Forensic Chemistry (5) S
Prerequisite: acceptance into BS forensic option.
This course includes a detailed investigation of current topics in forensic chemistry and forensic science. Topics will include courtroom testimony, laboratory accreditation and analyst certification. Laboratory work is included.

CHEM 450 Advanced Forensic Chemistry (5) F
Prerequisite: acceptance into BS forensic option.
This course includes a detailed examination of the techniques of forensic chemistry including organic, inorganic and instrumental analysis. Topics include gunshot residue, drugs and toxicology, paint, arson and explosives and biochemical methods such as electrophoresis. Advanced topics in crime scene procedures, chain-of-custody and quality assurance, will be discussed. Laboratory work is included.

CHEM 454 Clinical Chemistry (4) F
Prerequisites: CHEM 304 and CHEM 352.
This course is an introduction to both the methodologies involved in the analyses of diagnostically important compounds in clinical chemistry, (i.e., spectroscopy, ion-selective electrodes, enzymology, immunoassays and liquid chromatography) and the biochemical and physiological correlations of normal and disease states. This is intended for medical technology and chemistry majors and students with interests in medical sciences.

CHEM 465 Advanced Organic Chemistry (2) S
Prerequisites: CHEM 353 and CHEM 421 or permission of the instructor.
This course is an in-depth study of the mechanisms of organic reactions in vitro and in vivo, coupled to a detailed investigation of current techniques in structural analysis of organic compounds.

CHEM 466 Structural Analytical Techniques in Organic Chemistry (2) S
Prerequisites: CHEM 353 and CHEM 421 or permission of the instructor.
This course is an in-depth study of modern analytical techniques used in the structural analysis of organic compounds. This course will comprise both theory and practical experience with the instruments. Topics covered include UV, IR, NMR, mass spectrometry and chromatography. This is a laboratory course with lecture included.

CHEM 471 Pre-Med, Dent, Vet and Pharm Preparation (1–2)
Prerequisites: CHEM 480 or permission of the instructor.
Prepares students for their application to medical, dental, veterinary or pharmacy school and for professional activities.

CHEM 480 Biochemistry (5) FS
Prerequisite: CHEM 352 or concurrent enrollment. Note: for the Biochemistry Option only, concurrent enrollment or completion of BIOL 310 is suggested and CHEM 483 must be taken concurrently. (See your Chemistry/ Biochemistry advisor.)
This course covers elements of biochemistry, including the structure and function of the major classes of proteins, nucleic acids, carbohydrates and lipids.

CHEM 481 Intermediary Metabolism (5) W
Prerequisites: CHEM 353 and CHEM 421, or permission of the instructor.
Biosynthesis and metabolism of nucleotides, carbohydrates, lipids, amino acids and steroids; regulation and integration of biochemical pathways.

CHEM 482 Integrated Topics in Biochemistry and Biophysics (3) S
Prerequisite: CHEM 480.
Explores energy pathways, signal transduction pathways and genetic information pathways in living organisms. Provides a chemical perspective of the key principles of bioenergetics and membrane transport. Specific topics, discussed at a molecular level, are selected from, but not limited to the following: electron transport, proton pumping and ATP production in mitochondria and chloroplasts; hormone induced signal transduction; RNA synthesis and processing and protein synthesis and processing.

CHEM 483 Biochemistry Laboratory (2) W
Prerequisite: CHEM 480 or concurrent enrollment.
Experiments include basic analytical and separatory techniques applied to problems in nucleotide identification, lipid turnover, photosynthesis, enzyme kinetics and cell fractionation.

CHEM 484 Biochemistry Laboratory (2) S
Note: see description under CHEM 483.
Prerequisite: CHEM 480 or concurrent enrollment.

CHEM 491 Senior Thesis (4–6) FWS
Prerequisite: senior standing.
Satisfies: senior capstone university graduation requirement.
Directed research in your area of chemistry leading to an oral presentation and written report. See your advisor for further information.

CHEM 495 Chemistry Internship (1–10) FWSU
Prerequisite: permission of the instructor, department chair and college dean. Supervised chemistry-related experiences with a professional or business organization.

CHEM 497 Workshops, Short Courses, Conferences (1–10)

CHEM 498 Seminar (1–2)
Prerequisite: permission of the instructor.
Oral presentation of a chemical topic.

CHEM 499 Directed Study (1–10) FWS
Prerequisite: permission of the instructor, department chair and college dean.
Research on a chemical problem.

CHEM 539 Special Studies (variable)

CHEM 599 Independent Study (variable)
Prerequisite: permission of the instructor, department chair and college dean.
Perfect valor is to behave, without witnesses, as one would act were all the world watching.
Francois, duc de La Rochefoucauld, moralist (1613–1680)
UNDERGRADUATE PROGRAM

The Chicano Education Program has a dual mission at Eastern Washington University. The program’s first mission is to actively contribute toward enhancing the opportunity and participation of Chicanos/Latinos in higher education. This mission is achieved by actively recruiting Chicano/Latino students and providing support to help them have a positive and successful academic career at Eastern Washington University.

A parallel CEP mission is to contribute to EWU’s goal toward addressing diversity by providing all students regardless of ethnicity with a Chicano Studies curriculum leading to a comprehensive understanding and appreciation of the Chicano/Latino community and relevant issues.

CEP is committed to staging initiatives that meet its dual mission. The Chicano Education Program is divided structurally into three distinct program components.

Recruitment

The Chicano Education Program’s student recruitment efforts focus on various activities aimed at encouraging Chicano/Latino students to pursue educational opportunities at EWU. Specific recruitment activities include visiting high schools and community colleges; staging university based student visitations; participating in educational and community career fairs; using the Spanish media (radio, television and newspapers) to disseminate information about educational opportunities at EWU, networking with Chicano/Latino community organizations and other recruitment-focused initiatives. In addition, CEP assists students transition into the university by contacting university offices and departments (i.e., Admissions Office, Financial Aid, Housing and Residential Life) on the student’s behalf.

Support Services

The Chicano Education Program also provides a variety of academic and non-academic support services benefiting students. These include academic advising, scholarships and scholarship information, mentorship opportunities, cultural based initiatives, linkages for tutoring needs, a college orientation class and other student support services. CEP also assists students in becoming familiar with university regulations and practices. CEP advocates on the students’ behalf with other university departments and offices.

The Chicano Education Program houses the CAMP program (College Assistance Migrant Program), which is designed to recruit and retain migrant students during their first year of college at EWU. The CAMP program provides an array of academic support services and financial assistance to CAMP participants.

Chicano Studies

CEP offers a Chicano Studies academic minor designed to provide all students regardless of ethnicity, a comprehensive understanding and appreciation of the Chicano/Latino community and relevant issues.

CEP’s Chicano Studies offerings include lower and upper division coursework. The Chicano Studies minor provides students with a well-rounded understanding of the Chicano and Latino experience in the U.S. Specifically, the minor prepares students for the rapidly changing demographic trends in the U.S. and provides the knowledge and skills necessary to contribute to a racially and culturally diverse work environment.

In tandem with this approach is a rigorous academic program of study that prepares students for graduate school, work, and beyond. While the minor is especially suited for those students applying to graduate school, seeking counseling or social services positions, business and community organizing; the minor is appropriate for all major fields of study. Chicanos and Latinos are now the largest minority group in the nation and the Chicano Studies minor will provide all students with an appreciation of the history, political, social, and cultural realities of Chicanos and Latinos in contemporary American society.

Please refer to the required courses and course descriptions segment for additional information about CEP’s Chicano Studies curriculum offering.

Other CEP Activities

CEP maintains contact with both the Chicano and non-Chicano communities throughout the state of Washington. The program’s outreach efforts include seminars, lectures and cultural and art exhibitions.

The program also publishes an electronic quarterly newsletter, Q-VO, which informs students and the community about CEP activities. On a national level, CEP actively participates with the National Association for Chicana and Chicano Studies, a professional association which promotes research relevant to the Chicano community.

Required courses in the following program of study may have prerequisites. Reference the course description section for clarification.

BACHELOR OF ARTS (BA)

RACE AND CULTURE STUDIES MAJOR (80 CREDITS)

Note: see Race and Culture Studies for information.

MINORS

CHICANO-LATINO STUDIES MINOR (25 CREDITS)

Student Learning Outcomes—students will:

• Identify and analyze (both verbally and in writing) Chicano/a cultural practices, including an understanding of their origins, historical development and social contexts;
• Effectively demonstrate competence in oral, written and/or visual media to present research findings;
• Demonstrate competence with recognizing contemporary and global issues and how they affect the Chicano experience;
• Demonstrate an understanding of the Chicana/o peoples’ diversity as it pertains to race/ethnicity, gender, sexuality, class, immigrant status, age, region and educational background;
• Demonstrate and articulate how Chicano Studies’ training and experience can be applied to various careers;
• Demonstrate understanding of the role that activism and struggle have played in building a Chicano/a consciousness and empowerment.

The minor in Chicano-Latino Studies will provide all students regardless of ethnicity with a comprehensive understanding of the Chicano-Latino community through its Chicano Studies course offerings. Lower division courses such as Introduction to Chicano Culture, Latinos in Contemporary American Society and Chicano History encourage students to develop valid concepts and generalizations regarding Chicano/Latino issues. Upper division courses expand on aspects of the Chicano/Latino experience. These include Chicano-Latino Politics in America, Survey of Chicano/Latina/o Communities in the United States; Field Research in Chicana/o-Latina/o Studies. The minor will enhance the academic preparation of students planning to teach at the secondary or elementary level or those who desire occupations as counselors or social service agents.

This minor does not meet a state of Washington endorsement.

Required Courses (25 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>CHST 101</td>
<td>Introduction to Chicano Culture</td>
<td>5</td>
</tr>
<tr>
<td>or CHST 201</td>
<td>Latinos in Contemporary American Society</td>
<td>5</td>
</tr>
<tr>
<td>CHST 218</td>
<td>Chicano History</td>
<td>5</td>
</tr>
<tr>
<td>CHST 300</td>
<td>Survey of Chicano Literature</td>
<td>5</td>
</tr>
<tr>
<td>CHST 320</td>
<td>Chicano-Latino Politics in America</td>
<td>5</td>
</tr>
<tr>
<td>CHST 340</td>
<td>Latina/o Communities in the United States</td>
<td>5</td>
</tr>
<tr>
<td>or CHST 499</td>
<td>Directed Studies: Field Research in Chicana/o-Latina/o Studies</td>
<td>5</td>
</tr>
</tbody>
</table>

Total credits for above minor: 25 credits

RACE AND CULTURE STUDIES MINOR (18 CREDITS)

Note: see Race and Culture Studies for information.
Chicano Studies Courses

Term offered: fall, winter, spring, summer (FWSU).
If no terms are indicated, check with the department or EAglNET.

CHST 101 Introduction to Chicano Culture (5) FWS
Cross-listed: ANTH 161
Satisfies: cultural and gender diversity university graduation requirement.
A study of Chicano culture providing an initial overview of its roots and conflicts. Specific components discussed are cultural identity, customs, language, psychology and the arts.

CHST 201 Latinas/os in Contemporary American Society (5)
Cross-listed: ANTH 201
Satisfies: cultural and gender diversity university graduation requirement.
The course examines the experience of the other Latinos (Hispanics) in the United States: Puerto Rican, Cuban American and Central Americans. The course presents a brief historical overview of their entrance in American Society and a demographic comparison of significant socio-economic variables of the groups. The primary focus of the course is to examine the social and cultural profile of the Puerto Rican, Cuban and Central American groups in the U.S. The course covers historical, social and cultural themes, which include the impact of American institutions on identity, culture, language, the family and the future implications of immigration from Latin America.

CHST 218 Chicano History (5) FWS
Cross-listed: HIST 218
Satisfies: cultural and gender diversity university graduation requirement.
This course offers a study of Chicano history from the time of the Treaty of Guadalupe Hidalgo in 1848, to the present. Specific themes discussed include the Mexican American War, the Treaty of Guadalupe Hidalgo of 1848, the economic, political and social conditions after the Anglo-American conquest of the southwest, Mexican immigration to the U.S., Chicano labor history, the Chicano movement and other Chicano themes.

CHST 230 Chicanas and Latinas in the United States (5)
Prerequisite: CHST 101 or permission of the instructor.
This course provides a description and analysis of the experience of Chicanas and Latinas in the United States. First, the course presents a review of Chicana studies scholarship and the evolution of Chicana feminist theory. Next, the course examines the historical, cultural, political and social-economic themes which define the experience of Chicanas/Latinas in the United States.

CHST 300 Survey of Chicano Literature (5) alt
Cross-listed: ENGL 498 (may be cross-listed).
Note: CHST 101 or 218 recommended.
This course offers students an overview of the historical development and current trends in Chicano Literature. The course focuses on the literary forms of poetry, novel and the short story. The class gives students an understanding of various theoretical approaches utilized in critically analyzing literary works. Students will be expected to read, discuss and apply theoretical techniques on specific Chicano literary works.

CHST 310 Latinas and Latinos in the U.S. Media (5)
Prerequisites: CHST 101 or 218 or permission of the instructor.
This course surveys how Latinos and Latinas have been depicted in film, news, television and other media formats in the United States. The first section of the course examines Hollywood depictions of the Latino/a experience in the film industry from the early period of U.S. cinema to contemporary representations as well as the depiction of U.S. Latinos/as in Mexican cinema. The second section examines the depictions of Latinos/as in television and the news. Finally, the course presents the emergence of Chicano cinema from the early documentary to the full length dramatic feature.

CHST 320 Chicano-Latino Politics in America (5)
Prerequisites: CHST 101 or 218, GOVT 350 (may be cross-listed).
Recommended: CHST 101 or CHST 218.
The purpose of this course is to study the political reality of Latinos in the United States: a heterogeneous group made up largely of Mexican, Puerto Rican, Cuban American origin and others (Central and South Americans). The focus taken in this class is to look at the Latino population in terms of its orientation to the political system, its institutions and actors and their participation in the electoral process. The course will examine the political orientation of the Latino community towards power, authority, role of government and actions taken by governmental bodies and linkages to political participation. Overall, the goal of the course is for students to have a better understanding of the political experience of the second largest racial/ethnic group in the United States.

CHST 330 Latino Immigration to the United States (5)
Prerequisites: CHST 101 or 218 or permission of the instructor.
This course is a historical overview of Latino immigration from Mexico, Central America and the Caribbean. Special attention is given to the largest Latino sub groups in the United States. This course examines the social phenomenon of labor migration and immigration from Latin America and places it in the context of political economic national inequalities. Themes covered in the course include the transnational character of Latino immigrants, the political economy of immigration, the social and cultural impact of immigrants in the U.S. Latino communities and the transnational economic links between the sending and receiving communities.

CHST 331 The Latino Family in the United States (5)
Prerequisite: CHST 218 or permission of the instructor.
This course presents an overview of the general direction of current scholarship on the Chicano/ Latino family, with a special focus on basic familial structure and the dynamics of change. First, the course examines traditional interpretations and methodologies and suggests alternative theoretical perspectives. Second, the course examines research issues such as familism, machismo, gender roles, parenting, divorce, family violence, aging, immigration and family and public policy on family life.

CHST 340 Latina/o Communities in the U.S., Field Research in Chicanas/o Latina/o Studies (5)
The course is designed to accomplish three objectives. First it presents a typology of the diverse experience of Latina/o communities in the U.S. Second, it provides a critical review of theories and methods utilized in the study of the Chicano-Latino experience in the U.S. Third, it incorporates a field research component whereby students apply the theories and methods examined in the course.

CHST 396 Experimental Courses (1–5)
CHST 420 Readings In Decolonization (5)
Prerequisite: CHST 101.
This course is designed to study the multicultural history and political movements of the people of color. The course examines the social, economic, cultural and political issues of multiculturalism and political movements. The course will focus on the social, economic, cultural and political issues of multiculturalism and political movements.

CHST 495 Internship/Practicum (1–5)
Prerequisite: permission of the department chair and college dean.

CHST 498 Chicano Experience (1–5) FWS
This course is designed to study the multicultural history and political movements of the people of color. The course examines the social, economic, cultural and political issues of multiculturalism and political movements.

CHST 499 Directed Study (1–5) FWS
Prerequisite: permission of the instructor, department chair and college dean.
An in-depth, independent research project.
UNDERGRADUATE PROGRAMS
The Interdisciplinary Children’s Studies majors provide students a strong holistic background in the study of children (birth to adolescence) in a variety of social contexts. Theory and practice from the disciplines of Sociology, Psychology and Education form the basis for this integrated curriculum. The BA Options A, B and C provide an opportunity for all students to develop a foundational and global perspective of children and childhood. Included in the program requirements is the course SOCI 101, which must be taken as a prerequisite to the sociology courses found within the Children’s Studies Major. This course may be used to fulfill the requirements for one General Education Course Requirement (GECR) but may not be counted twice toward the 180 credits required to graduate. In addition, EDUC 325, which makes up part of the Children’s Studies core, may be used to fulfill the requirement for the Culture and Gender Diversity requirement.

BACHELOR OF ARTS (BA)
Student Learning Outcomes—students will:
• demonstrate knowledge in addressing children’s lives and experiences from a variety of disciplines;
• demonstrate an understanding of children’s diversity;
• critically evaluate a variety of approaches in working with children and reflect on their own practices and interactions with children;
• design curricula that addresses children’s individuality in different types of interactions and contexts;
• demonstrate effective practices in working with children and child service organizations, which include knowledge of content area, problem solving, use of technology, opportunity for choice, motivation, collaboration, and respect for diversity;
• communicate effectively with all constituencies, including children, parents, colleagues, and community members; and demonstrate professional leadership in the field.

CHILDREN’S STUDIES MAJOR (60 CREDITS)
Note: two years of a single high school foreign language or one year of a single college level foreign language is required.
Required Core Courses (34–35 credits)

Required Electives (4 credits minimum)
CDST 402 Children’s Rights (5)
CDST 411 Child Life Theory (5)
CDST 412 Health and Children (5)
CDST 413 Media and Children (5)
CDST 421 Play and Playwork (4)
CDST 422 Children’s Loss and Grief (4)
CDST 439 Topics in Children’s Studies (1–5)

Choose one of the following
Practicum/Internship/Seminar courses (3–4 credits)
CDST 495 Internship (4)
EDUC 497 Collaborative Reflective Practice in Early Childhood Education (3)
PSYC 495 Experiential Learning (4)

Capstone (4 credits)
CDST 499 Senior Capstone Children’s Studies (4)
or an approved department Senior Capstone course.

Total minimum required core credits,
including practicum/internship and capstone 41–43 credits

Degree Options—choose one of the three options for the BA.

OPTION A—RESEARCH IN CHILDREN’S STUDIES
The Research in Children’s Studies option is designed for those undergraduate students who plan to do graduate work or who wish to work in agencies or organizations that need data collection and assessment.

Required Courses (15–18 credits)
Theory (5–8 credits)
CSBS 310 Foundations of Social and Behavioral Science Theory (5)
or PSYC 315 Human Relations (4)
and PSYC 320 Developmental Theories and Applications (4)

Statistics (5 credits)
CSBS 320 Introductory Statistics for the Social Sciences (5)

Research Methods (4–5 credits)
CDST 330 Research Methods for Studying Children and Childhood (4)
PSYC 309 Scientific Principles of Psychology (5)
PSYC 313 Research Methods in Psychology (5)

Electives (1–5 credits)
Elective credits, including CDST 499, as approved by major advisor.

Required core credits 41–43 credits
Required program credits 14–18 credits
Elective credits 1–5 credits
Minimum total credits for above major with option: 60 credits

OPTION B—PROGRAMING IN CHILDREN’S STUDIES
The Programming in Children’s Studies option allows students to develop an enhanced and broadened perspective about children so they can have the flexibility to work with children in social service agencies and other child focused programs.

Required Courses (8 credits)
PSYC 335 Psychology of Human Relations (4)
PSYC 324 Conditioning and Learning (4)

Electives: choose from the following (9 credits minimum) cross-listed
AAST 320 African American Family (5)
EDUC 455 Perspectives of Early Childhood Education (3)
EDUC 480 Educating Young Children with Diverse Backgrounds (3)
ENGL 323 A Global View through Children’s Literature (5) EDUC 323
MGMT 326 Organization Theory and Behavior (4)
PSYC 417 Research Methods and Applications (4)
PSYC 476 Child and Family Guidance (4)
RCLS 260 Arts in Recreation (3)
RCLS 385 Programming in Recreation and Leisure Services (3)
SOCI 452 Juvenile Delinquency (5)
SOCI 463 Complex Organizations (5)
SOWK 471 Human Rights and Women’s Rights (4)
SOWK 492 Child Welfare Programs and Services (5)
Or other elective credits approved by major advisor.

Required core credits 41–43 credits
Required program credits 8 credits
Elective credits 9–11 credits
Minimum total credits for above major with option: 60 credits

OPTION C—EARLY CHILDHOOD THROUGH CHILDREN’S STUDIES
The Early Childhood through Children’s Studies option allows students to earn a Bachelor of Arts degree in Children’s Studies with a focus on the development, learning and environments of young children.

Required Courses (19 credits)
EDUC 455 Perspectives of Early Childhood Education (3)
EDUC 465 Integrated Early Childhood Practices (5)
EDUC 458 Learning Paradigm in Early Childhood Education (5)
EDUC 479 Early Literacy (3)
EDUC 480 Educating Young Children with Diverse Backgrounds (3)

Required core credits 41–43 credits
Required program credits 19 credits
Minimum total credits for above major: 60 credits
Children's Studies

Courses

Terms offered: check with the department or EagleNET.

CDST 301  Introduction to Children's Studies (2)
Students will be introduced to the history of Children's Studies and the guiding framework or philosophy. They will also have the opportunity to learn how to develop a professional growth plan and to construct and assess their knowledge through the development of portfolios.

CDST 330  Research Methods for Studying Children and Childhood (4)
This course introduces students to research that helps us understand children's lives and experiences. The course examines core research methods, multicultural philosophies and ethical considerations given the power dynamics between adult researchers and child subjects. Students become familiar with scientific methods as applied in research with children, including methods for data collection and skills in analytic techniques.

CDST 402  Children's Rights (5)
Prerequisite: CDST 301.
This course provides an extended examination of children's rights, in both national and global contexts. Students are introduced to the history of the child's rights movement, the development and impact of the United Nations Convention on the Rights of the Child, and various theories, perspectives and issues within the children's rights field.

CDST 411  Child Life Theory (5)
Prerequisite: CDST 301.
This course involves the careful examination of children and their families in a healthcare setting. It is taught from the perspective of a Child Life Specialist to aid in minimizing the stress and anxiety experienced during hospitalization. It focuses on educational and play components, and the general support and scope of practice unique to the field.

CDST 412  Health and Children (5)
Prerequisite: CDST 301.
This course introduces concepts and issues in the area of children's health. Using a holistic framework, the course examines the well-being of children, including their physical, mental, emotional, social, and spiritual growth and development. The course covers programmatic strategies, social and family support, community practice models and policy that address issues such as child welfare, nutrition and safety management.

CDST 413  Media and Children (5)
Prerequisite: CDST 301.
This course focuses on the developmental impacts that modern media has on children and adolescents. Exploration of media covers such issues as advertising, violence, video games, sexuality, drugs, body image, eating disorders, music and the Internet. Students research problems and beneficial aspects of media.

CDST 421  Play and Playwork (4)
Prerequisite: CDST 301.
Students research definitions, history, theories, forms and functions of play. Students examine the different environments for play throughout history. Topics include free play, value of toys and games, children's digital play, and the roles of creativity and marketing in today's society.

CDST 422  Children's Loss and Grief (4)
Prerequisite: CDST 301.
This course explores the ways children experience loss, including death, at different developmental stages and how different cultures view children's grief. The course introduces students to a variety of organizational situations where adults work with children who are experiencing loss and grief.

CDST 424  Children's Rights (5)
Prerequisite: CDST 301.
Note: May be repeated for credit, providing the title is different.
This variable topic class explores current issues and interests in the field of children's studies. Topics might include children's studies perspectives on contemporary issues, current research issues of specific faculty or deeper investigation of topics covered in core courses. Topics or issues that might be covered in this course range from play to children's activism.

CDST 490  Senior Capstone: Children's Studies (4)
Prerequisite: senior standing or approval of instructor.
Satisfies: senior capstone university graduation requirement.
This course is designed to move from basic understandings of children's studies and the multiple disciplines from which it emerges to an integrated and unified interdisciplinary understanding. Integration of learning will be facilitated through service learning or community-based research projects in collaboration with local organizations that address children's issues.

CDST 492  Children's Studies Senior Portfolio (2)
Prerequisites: senior standing or approval of instructor.
Building on the portfolio process, students will develop and present an exit portfolio. This process will include identifying personal and career objectives; discussing content; developing themes; choosing formats; and revising personal statements, narrative and résumés. Exit portfolios will be used for program assessment.

CDST 495  Children's Studies Internship (1–10)
Prerequisite: senior standing or approval of instructor.
Students receive academic credit for internships supervised within organizations working with or for children. The internship is initiated by the student and facilitated by their academic advisor, their site supervisor and the Career Services Internship Office. Students complete a Learning Contract, which outlines expectations, roles and responsibilities, as well as the process of documentation and evaluation.

CDST 499  Senior Capstone: Children's Studies Senior Capstone: Children's Studies (5)
Prerequisite: senior standing or approval of instructor.
Satisfies: senior capstone university graduation requirement.
This course is designed to move from basic understandings of children's studies and the multiple disciplines from which it emerges to an integrated and unified interdisciplinary understanding. Integration of learning will be facilitated through service learning or community-based research projects in collaboration with local organizations that address children's issues.

CDST 499  Senior Capstone: Children's Studies Senior Portfolio (2)
Prerequisites: senior standing or approval of instructor.
Building on the portfolio process, students will develop and present an exit portfolio. This process will include identifying personal and career objectives; discussing content; developing themes; choosing formats; and revising personal statements, narrative and résumés. Exit portfolios will be used for program assessment.

CDST 495  Children's Studies Internship (1–10)
Prerequisite: senior standing or approval of instructor.
Students receive academic credit for internships supervised within organizations working with or for children. The internship is initiated by the student and facilitated by their academic advisor, their site supervisor and the Career Services Internship Office. Students complete a Learning Contract, which outlines expectations, roles and responsibilities, as well as the process of documentation and evaluation.

CDST 499  Senior Capstone: Children's Studies Senior Capstone: Children's Studies (5)
Prerequisite: senior standing or approval of instructor.
Satisfies: senior capstone university graduation requirement.
This course is designed to move from basic understandings of children's studies and the multiple disciplines from which it emerges to an integrated and unified interdisciplinary understanding. Integration of learning will be facilitated through service learning or community-based research projects in collaboration with local organizations that address children's issues.

CDST 499  Senior Capstone: Children's Studies Senior Portfolio (2)
Prerequisites: senior standing or approval of instructor.
Building on the portfolio process, students will develop and present an exit portfolio. This process will include identifying personal and career objectives; discussing content; developing themes; choosing formats; and revising personal statements, narrative and résumés. Exit portfolios will be used for program assessment.

CDST 495  Children's Studies Internship (1–10)
Prerequisite: senior standing or approval of instructor.
Students receive academic credit for internships supervised within organizations working with or for children. The internship is initiated by the student and facilitated by their academic advisor, their site supervisor and the Career Services Internship Office. Students complete a Learning Contract, which outlines expectations, roles and responsibilities, as well as the process of documentation and evaluation.

CDST 499  Senior Capstone: Children's Studies Senior Capstone: Children's Studies (5)
Prerequisite: senior standing or approval of instructor.
Satisfies: senior capstone university graduation requirement.
This course is designed to move from basic understandings of children's studies and the multiple disciplines from which it emerges to an integrated and unified interdisciplinary understanding. Integration of learning will be facilitated through service learning or community-based research projects in collaboration with local organizations that address children's issues.

CDST 499  Senior Capstone: Children's Studies Senior Portfolio (2)
Prerequisites: senior standing or approval of instructor.
Building on the portfolio process, students will develop and present an exit portfolio. This process will include identifying personal and career objectives; discussing content; developing themes; choosing formats; and revising personal statements, narrative and résumés. Exit portfolios will be used for program assessment.

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Prerequisite: senior standing or approval of instructor.
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CDST 499  Senior Capstone: Children's Studies Senior Capstone: Children's Studies (5)
Prerequisite: senior standing or approval of instructor.
Satisfies: senior capstone university graduation requirement.
This course is designed to move from basic understandings of children's studies and the multiple disciplines from which it emerges to an integrated and unified interdisciplinary understanding. Integration of learning will be facilitated through service learning or community-based research projects in collaboration with local organizations that address children's issues.

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Satisfies: senior capstone university graduation requirement.
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INTRODUCTION
Professionals practicing in Communication Disorders are concerned with impairments and disabilities of speech, language, cognition-communication, voice and swallowing as well as hearing processes and disorders. The communication disorders program is designed to provide a sound academic background and to complement instruction with clinical knowledge and experience. A certified audiologist is qualified to provide diagnostic hearing assessment and rehabilitative services for individuals who are deaf or hard of hearing. Audiolists also work with auditory processing problems and dysfunctions related to balance.

The department has a strong clinical orientation that addresses the medical, developmental and educational issues that impact a competent speech-language pathologist. The general goal (through the master's degree) is to provide a sound academic background and to complement that instruction with clinical knowledge and experience sufficient to equip the student to provide professional services to individuals across a spectrum of communication disorders in a variety of employment settings. The baccalaureate degree is considered pre-professional. The master's degree is required for licensure at the state and certification at the national level. Upon earning the master's degree employment opportunities may include clinics, hospitals, private practice and community agencies. The majority of the positions, however, are in the public schools. The employment outlook for graduates remains excellent. It should be noted that Communication Disorders is a speech-language pathologist program only. To meet the requirements to become a audiologist, the student must earn a doctoral degree in audiology from an accredited program.

The Department of Communication Disorders is located at the Health Sciences Building on the Riverpoint campus in Spokane. Clinical practica are conducted at the University Programs in Communication Disorders (UPCD) Hearing and Speech Clinic on the Riverpoint campus in Spokane and in numerous off-campus sites in the area. All programs (undergraduate and graduate) are on a semester schedule.

The undergraduate Communication Disorders program is designed to begin in the junior year following completion of the university's general education requirements. Upon earning the bachelor's degree, the student would then apply for graduate study. Individuals earning a bachelor's degree in another field can prepare for graduate training in communication disorders by first completing a post-baccalaureate year of selected junior and senior level courses in the department (see the separate section in this catalog entitled Pre-Professional Programs). Supervised clinical practicum is generally reserved for the graduate level, although limited clinical experience may be obtained at the undergraduate level.

Time to Completion of the Program
Most students complete the graduate curriculum in Communication Disorders within five (5) semesters (i.e., fall, spring, summer, fall, spring). Some students may not complete the program within five semesters; these individuals typically have unfinished research and/or clinical practicum requirements that cause them to not complete the program within the typical time frame. Assuming they are accepted for graduate study, students who enter the program as undergraduate majors can reasonably expect to complete their studies within nine (9) semesters (i.e., two years or four semesters of undergraduate study and five semesters of graduate study). If accepted for graduate study, students who enter the program with bachelor's degrees outside the discipline can expect to complete their studies within seven (7) semesters (one year or two semesters of post-baccalaureate study and five semesters of graduate study).

Program Accreditation and Professional Certification Information
The graduate program in speech-language pathology is accredited by the Council on Academic Accreditation in Audiology and Speech-Language Pathology (CAA). The current period of accreditation is September 1, 2011 through August 31, 2019. Please check with the department for further information. Additional information related to accreditation (e.g., complaint procedures, graduate employment rates, national exam pass rates, program completion rates, student assistance plan, etc.) can be found on the department's website, www.ewu.edu/commdisorders. Completion of the undergraduate curriculum and the Master of Science degree will allow the student to satisfy most of the requirements for the Certificate of Clinical Competence in Speech-Language Pathology (CCC-SLP) issued by the American Speech-Language-Hearing Association (ASHA). The student must also pass a national examination and successfully complete a Speech-Language Pathology Clinical Fellowship (SLPCF) as prerequisites for earning the CCC-SLP.

UNDERGRADUATE PROGRAMS
Admission Information for High School Students
No specific courses are required. High school students may find it useful to take typing or computer coursework, four years of English and any available speech, behavioral science and natural science courses.

General Admissions Requirements for All Students
A minimum GPA 2.75 is required for admission to and retention in the undergraduate program. Students wishing to major in communication disorders must meet the minimum GPA requirement, complete a department application form and pay an application fee.

Admissions Information for Pre-Major Students
Freshman and sophomore students must complete their GECRs, university competencies and courses offered by other departments in support of the major prior to enrollment in the required Communication Disorders courses within the major. In addition, students must complete coursework reflecting knowledge in the biological sciences, physical sciences, statistics and the social/behavioral sciences prior to beginning the program. Acceptable courses in biological sciences should emphasize a content area related to human or animal sciences. Acceptable courses in physical sciences should include physics or chemistry. Acceptable courses in social/behavioral sciences should include psychology, sociology, anthropology or public health. Research methodology courses in communication sciences and disorders (CSD) may not be used to satisfy the statistics requirement. This is imperative as the Communication Disorders undergraduate program is on a semester schedule while the rest of the university is on a quarter schedule.

Admissions Information for Transfer Students
Transfer students should satisfy the GECRs and university competencies with equivalent coursework. The transfer student must demonstrate knowledge of the biological sciences, physical sciences, statistics and the social/behavioral sciences. Acceptable courses in biological sciences should emphasize a content area related to human or animal sciences. Acceptable courses in physical sciences should include physics or chemistry. Acceptable courses in social/behavioral sciences should include psychology, sociology, anthropology or public health.

EWU participates in transfer agreements with community colleges in Washington state and select Idaho and Montana community colleges. Graduates of these colleges who complete a direct-transfer associate degree are admitted to Eastern with junior standing and will have satisfied Eastern’s lower division general education requirements. In addition, to earn a Bachelor's degree from EWU, students will need to have taken one course in International Studies and one course in Diversity (see University Graduation Requirements in catalog). If there are any questions or concerns the student should consult with Communication Disorders faculty to plan their program.

Foreign Language Requirement for Communication Disorders
A foreign language is required by Eastern Washington University for a Bachelor of Arts (BA) degree. To fulfill this requirement, two years of a single foreign language in high school or one year of a single foreign language at the college level is required. American Sign Language (ASL, 376, 377 and 378) is an excellent foreign language option for an individual majoring in Communication Disorders. It should be noted that ASL courses are taught on a quarter academic schedule so these courses should be taken prior to declaring Communication Disorders as a major.

Policy Regarding Student Progress within the Major
In addition to maintaining an overall cumulative grade point average
2.75 to be retained in the program and to graduate with the BA degree, the student must earn a grade ≥ 1.7 or better in each of the courses within the major. Earning a grade < 1.7 for any given course will require that the student repeat the course. If the course is a prerequisite for a higher-level course, the student will not be allowed to enroll in the higher-level course until a grade ≥ 2.0 has been earned in the prerequisite course. Additionally, ASHA requires that the program regularly assess each student’s progress toward meeting knowledge and skills outcomes (KASA). Each course in the major has its own assessment plan with a built-in academic assistance plan for students who experience difficulty in the course. The program’s Student Assistance Plan can be found on the department’s website, www.ewu.edu/commdisorders.

Required course credits in the following programs of study may have prerequisites. Reference the course description section for clarification.

**BACHELOR OF ARTS (BA)**

**Student Learning Outcomes**—students will:

- apply foundational principles for assessment and intervention of disorders of hearing, speech, language and swallowing;
- recall and relate the causes, characteristics and consequences of the disorders of hearing, speech, language and swallowing;
- compare the content and sequence of the development of speech and language in children from birth through school-age;
- describe the anatomical, physiological and psychological properties involved in the normal communication processes of hearing, speech, language and swallowing;
- demonstrate knowledge of the physics of sound and the measurement of its dimensions, and be able to apply basic principles of acoustics to human hearing and speech;
- illustrate insight into the communication disorders profession by participating in service learning opportunities.

**COMMUNICATION DISORDERS MAJOR (88–94 QTR CREDITS)**

Note: two years of a single high school foreign language or one year of a single college-level foreign language is required. Courses below are listed in both semester and quarter credits. Semester credits have an “S” after them, while quarter credits have a “q” after them.

**Required Courses**

- COMD 301 Introduction to Speech-Language Pathology and Audiology (3s; 4.5q)
- COMD 354 Phonetics (3s; 4.5q)
- COMD 320 Speech and Hearing Sciences (3s; 4.5q)
- COMD 321 Anatomy and Physiology of Speech Production (3s; 4.5q)
- COMD 351 Language Development (3s; 4.5q)
- COMD 357 Language Impairment (3s; 4.5q)
- COMD 358 Speech Sound Disorders (3s; 4.5q)
- COMD 371 Hearing and Hearing Disorders (3s; 4.5q)
- COMD 372 Audiology (3s; 4.5q)
- COMD 405 Speech-Language Pathology and Audiology in the Schools (3s; 4.5q)
- COMD 422 Neuroanatomy (3s; 4.5q)
- COMD 441 Assessment of Speech and Language (3s; 4.5q)
- COMD 450 Language and Literacy (3s; 4.5q)
- COMD 451 Neurogenic Communication Disorders (3s; 4.5q)
- COMD 461 Clinical Methods (2s; 3q)
- COMD 473 Aural Rehabilitation (3s; 4.5q)
- COMD 480 Introduction to Research in Communication Disorders (3s; 4.5q)
- COMD 490 Capstone: Professional Issues in Communication Disorders (3s; 4.5q)

**Rotating Required Course**

The student must take at least one of the following courses:

- COMD 201 Disability and Communication Diversity (3s; 4.5q)
- COMD 442 Intervention for Speech and Language Disorders (3s; 4.5q)
- COMD 455 Voice and Resonance Disorders (3s; 4.5q)
- COMD 456 Fluency Disorders (3s; 4.5q)
- COMD 498 Departmental Seminar (1–3s; 1.5–4.5q)

**Required Supporting Courses**

Students majoring in Communication Disorders must take a public-speaking course (4–5 quarter credits) and a statistics course (3–5 quarter credits). These courses should be taken prior to entering the Communication Disorders major.

**Required course credits**

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<tr>
<th>Credits</th>
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<tr>
<td>53s</td>
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<tr>
<td>Required rotating course credits</td>
<td>1–3s</td>
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<tr>
<td>Required supporting course credits</td>
<td>1.5–4.5q credits</td>
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<tr>
<td>Minimum total credits for above major</td>
<td>4.7–6.7s; 7–10q credits</td>
</tr>
<tr>
<td>Minimum total credits for above major</td>
<td>58.7s; 88q credits</td>
</tr>
</tbody>
</table>

Note: it should be noted that because Communication Disorders is the only semester-based program within the university, courses will be offered on a semester schedule but quarter credits will continue to be listed on the student’s official academic transcript.

**GRADUATE PROGRAM**

**MASTER OF SCIENCE**

Robert Jackson, Graduate Program Coordinator 310 N. Riverpoint Blvd., Box V, Spokane, WA 99202 509.828.1326

**Student Learning Outcomes**—students will:

- demonstrate application of research in the discipline of communication disorders;
- use the products of technology in both scholarly and clinical applications;
- write and speak clearly and effectively;
- critically evaluate and utilize new information in the discipline of communication disorders;
- demonstrate through discussion and application in class and clinical the principles, processes and procedures for the prevention, identification, evaluation, intervention and management of communication disorders;
- demonstrate knowledge through adherence to the Code of Ethics of the American Speech-Language-Hearing Association in academic and clinical work.

The Master of Science degree is designed to equip the student with the academic and clinical skills required to function as a competent professional in the field of communication disorders. The master’s graduate is qualified to provide clinical services to a wide range of communication disordered children and adults in a variety of professional settings. Upon completion of the graduate program, the student will have met all requirements for the Certificate of Clinical Competence in Speech-Language Pathology (CCC-SLP) with the exception of the Speech-Language Pathology Clinical Fellowship (SLPCF). The student must also pass a national examination in speech-language pathology; most students take and pass the exam prior to earning the master’s degree.

The graduate curriculum includes exposure to science and research areas as well as to clinical disorders and related practice. The graduate curriculum is part of a cooperative program between Eastern Washington University and Washington State University—Spokane, and is known as the University Programs in Communication Disorders (UPCD). The UPCD is housed in the Health Sciences Bldg. on the Riverpoint campus in Spokane. The undergraduate and graduate curricula are administered on a semester academic schedule in alignment with the academic schedule of Washington State University.

**Admission Requirements/Preparation**

Admission to the master’s program includes the requirements of the graduate school as well as the GRE general and writing tests, letters of recommendation, a statement from the applicant outlining professional interests and intent and an application fee. All application materials must be received by February 1 prior to the fall academic term of enrollment. Students entering the program must have completed an undergraduate major in communication disorders. Students with an undergraduate major in any other field must complete a post-baccalaureate year of required communication disorders courses prior to applying to the graduate program (see the separate section of this catalog entitled Pre-Professional Programs). In addition, students need to take an introductory statistics course prior to graduate school, as it is a requirement for professional certification.

Course selections made by the student and a departmental faculty advisor can be individually tailored to the student’s professional goals. Course selection is guided by the knowledge and skills outcomes of the certification standards for the CCC-SLP as set forth by the American Speech-Language-Hearing Association (ASHA). According to current ASHA certification standards, it is expected that candidates for the master’s degree will have accumulated a minimum of 400 clock hours of clinical practicum with 25 hours spent in observation and 375 hours spent in direct client/patient contact. At least 325 of the 400 hours must be completed at the graduate level. This is accomplished by completing clinical practicum experiences (COMD 561, 562, and/or 563) and taking one required semester of COMD 697 Clinical Field Experience. Completion of the Master’s degree and clinical experience qualifies the student for Washington state licensure in Speech-Language Pathology and makes that individual eligible for the CCC-SLP upon completion of the SLPCF and upon passing the national examination (referred to as the PRAXIS exam).
Students who intend to be employed in the public schools of this state must meet Washington state educational certification requirements, which include three (3) semester credits (or four quarter credits) of coursework and a Clinical Field Experience in the schools (see the section within this program description entitled Certificate).

Research Requirement and Its Defense
A research project of some type (i.e., either thesis or non-thesis) must be completed by all graduate students. The selection of research option is accomplished during the first semester of graduate study in COMD 520 Research Methods. Selection of a research advisor also takes place while the student is enrolled in this course. Only those students who show excellent aptitude in research and scientific writing are given the thesis option. A thesis is intended to be an empirical study that is formal and rigorous. The non-thesis option includes any type of research (e.g., case study, empirical study, survey, etc.) deemed appropriate by the student’s research advisor.

The fall semester of the first year of study is used to develop a research idea while enrolled in COMD 520. During the spring semester of the first year of study, the student and research advisor further refine the research idea and submit the proper paperwork to the Institutional Review Board, if required. The fall and spring semesters of the second year of study are used to complete and defend the research. Students who have been granted permission to conduct a thesis will enroll in 2 quarter (3 semester) credits of COMD 600 Thesis during the spring semester of their first year of study, and 2 quarter (3 semester) credits of COMD 600 Thesis during each of the fall and spring semesters of their second year of study, for a total of 6 quarter (9 semester) credits of research. Students who conduct a non-thesis research project will enroll in COMD 620 Research in Communication Disorders I (2 quarter; 3 semester credits) during the spring semester of the first year of study, COMD 621 Research in Communication Disorders II (2 quarter; 3 semester credits) during the fall semester and COMD 622 Research in Communication Disorders III (2 quarter; 3 semester credits) during the spring semester of their second year of study, for a total of 6 quarter (9 semester) credits of research.

Two faculty members from the combined UPCD faculty form the student’s research committee (the chair of the committee is the student’s research advisor). The research advisor may be either a WSU or an EWU faculty member who holds graduate faculty status. If the research advisor is a WSU faculty member, the second committee member must be an EWU faculty member. If the research advisor is an EWU faculty member, the second committee member may be either a WSU or EWU faculty member. For the student’s defense of his or her research, a graduate council representative is assigned by the Office of Graduate Studies as a third committee member.

Towards the end of their graduate program, students orally defend their research project in the presence of their committee members and other interested parties. Students who complete a thesis will make a formal presentation in front of an audience and will entertain questions from their committee members and other interested parties. Students who complete a non-thesis project will develop a poster that will be put on display. Students will stand by their posters and entertain questions from their committee members and other interested parties. The research defense will take place during a designated Research Day that will typically take place during the latter half of the spring semester each year. In some instances, two or more Research Days may be designated; the student will only have to defend his or her research at one of these scheduled Research Days.

At the defense, the student’s research committee makes a decision as to whether or not the research project is successfully completed. If the research project is judged as not being successfully completed, the committee indicates what additional work must be accomplished and whether another defense will be necessary. If the research project is judged to be completed and satisfactorily defended, a grade is assigned to the thesis or non-thesis research project.

Policy Regarding Student Progress
In addition to maintaining an overall cumulative grade point average of at least 3.00 to be retained in the program and to graduate with the MS degree, the student must earn a grade of 2.7 or better in each of the graduate courses taken (exclusive of practicum courses). Earning a grade <2.7 for any given course will require that the student repeat the course. If the course is a prerequisite for a higher-level course, the student will not be allowed to enroll in the higher-level course until a grade ≥2.7 has been earned in the prerequisite course. Additionally, ASHA requires that the program regularly assess each student’s progress toward meeting knowledge and skills outcomes (KASA). Each graduate course has its own assessment plan with a built-in academic assistance plan for students who experience difficulty in the course. The program’s Student Assistance Plan can be found on the department’s website.

www.ewu.edu/commdisorders.

Course Requirements and Credit Hours/Non-Thesis Option

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American Sign Language Courses

Semester terms offered: fall, winter, summer (FWU). If no terms are indicated, check with the department or EagleNET.

ASL 376 Sign Language I (3q) FSU
This introduction to American Sign Language (ASL) includes a brief history of its development, grammatical principles and vocabulary rules. Vocabulary, finger spelling and sentence structure are developed.

ASL 377 Sign Language II (3q) FW
Prerequisite: ASL 376 or permission of the instructor.
Further instruction in the development of expressive and receptive skills in American Sign Language, development of more advanced vocabulary and the use of space and expression as a part of the linguistic form of this visual language. Includes exploration into the structure of the deaf culture.

ASL 378 Sign Language III (3q) WS
Prerequisites: ASL 376, ASL 377 or permission of the instructor.
Further instruction in the development of expressive and receptive skills in American Sign Language, development of more advanced vocabulary and the use of space and expression as a part of the linguistic form of this visual language. Includes exploration into the structure of the deaf culture.

Communication Disorders Courses

Terms offered: fall (semester), winter (semester), summer (FWU). If no terms are indicated, check with the department or EagleNET.

COMD 201 Disability and Communication Diversity: A Communication Disorders Perspective (3s; 4.5q)
Satisfies: cultural and gender diversity university graduation requirement.
This course fosters an understanding of the meaning of diversity historically, philosophically, psychologically and morally in reference to persons with disabilities and communication differences by incorporating these concepts with one’s own values and experiences. Examples include Deaf culture and English as a Second Language (ESL) learners in the United States.

COMD 301 Introduction to Speech-Language Pathology and Audiology (3s; 4.5q)
This course provides an overview of speech, hearing and language development, disorders and remediation for students who may have an interest in this discipline as a career choice.

COMD 304 Phonetics (3s; 4.5q)
This course examines the motor and acoustic aspects of speech production, description and classification of English phonemes and broad transcription using the International Phonetic Alphabet (IPA).

COMD 320 Speech and Hearing Sciences (3s; 4.5q)
Prerequisite: completion of Natural Science GECRs or permission of the instructor.
This course is a study of acoustics and psychoacoustics of speech and hearing.

COMD 321 Anatomy and Physiology of Speech Production (3s; 4.5q)
Prerequisite: completion of Natural Science GECRs or permission of the instructor.
This course is a study of anatomy, physiology and physics as related to speech and voice production.

COMD 331 Language Development (3s; 4.5q)
This course examines the basic principles and sequences of language development; methods of observing, measuring and describing children’s acquisition of language.

COMD 357 Language Impairment (3s; 4.5q)
Prerequisites: COMD 301, 331 or permission of the instructor.
This course addresses the measurement as well as analysis of developing language as well as etiology, assessment and intervention for developmental language disorders.

COMD 358 Speech Sound Disorders (3s; 4.5q)
Prerequisites: COMD 301 and 304 or permission of the instructor.
This course describes normal phonological and articulatory development as well as the etiology, assessment and intervention of articulation and phonological disorders.

COMD 371 Hearing and Hearing Disorders (3s; 4.5q)
Prerequisites: COMD 301 and 372.
This course is a study of aural anatomy and physiology, as well as etiology, pathology and treatment of hearing impairment.

COMD 372 Audiology (3s; 4.5q)
Prerequisites: COMD 301 and 371.
This course is a study of acoustics and psychoacoustics, as well as principles of auditory testing and interpretation of hearing tests.

COMD 405 Speech-Language Pathology and Audiology in the Schools (3s; 4.5q)
Prerequisites: permission of the instructor and fulfillment of additional state requirements.
This course ideally precedes the student teaching experience. Information is provided about the special issues and problems encountered by professional practice in the public school setting.

COMD 422 Neuroanatomy (3s; 4.5q)
Prerequisite: COMD 321.
This course is a study of the normal anatomy and physiology of the nervous system and its role in communication processes.

COMD 441 Assessment of Speech and Language (3s; 4.5q)
Prerequisites: completion of all 300-level courses in the major.
This course addresses the principles and techniques for assessing communication disorders, including formal and informal assessment methods, practical experience in test administration, theoretical and ethical issues, report writing and the relationship of assessment to treatment.

COMD 442 Intervention for Speech and Language Disorders (3s; 4.5q)
Prerequisite: senior standing or permission of the instructor.
This course addresses the development of intervention plans, including intervention strategies and rationale, construction of daily therapy plans, methods for data collection, and interpretation and evaluation of therapy outcomes.

COMD 450 Language and Literacy (3s; 4.5q)
Prerequisites: COMD 331.
Building upon COMD 331, this course examines the relationship between early language development and later development of literacy skills. Issues related to language disorders and concomitant deficiencies in literacy acquisition will be discussed.
COMMUNICATION DISORDERS continued

COMD 451 Neurogenic Communication Disorders (3s; 4.5q)
Prerequisites: COMD 371 and 372 or permission of the instructor.
This course provides an overview of the etiology, assessment and intervention of communication disorders associated with neurological disorders.

COMD 452 Topics in Continuing Education (1–5q; .75–3.5q)
This course is offered in cooperation with the Meadowood Speech and Hearing Camp in Pendleton, Oregon. Student volunteers earn college credit while learning state of the art strategies working with children exhibiting a variety of speech, language, and hearing disorders.

COMD 455 Voice and Resonance Disorders (3s; 4.5q)
Prerequisites: COMD 321.
This course examines the anatomy and physiology of the vocal mechanism with an overview of functional, congenital and acquired voice disorders.

COMD 456 Fluency Disorders (3s; 4.5q)
Prerequisite: senior standing or permission of the instructor.
This course provides definitions and descriptions of fluency disorders, discussing their effects on the speaker and listener. It examines various theories of the etiology of stuttering as well as its assessment and treatment in children and adults.

COMD 461 Clinical Methods (2s; 3q)
Note: must be taken twice for the PB Certificate.
Prerequisites: senior standing or permission of instructor.
This course offers students the opportunity to observe communication disorder assessment and intervention. The students will be introduced to the basic essential ingredients of good therapy. The skills will be introduced and discussed in a classroom setting and reinforced through guided observation of speech-language and audiological assessment and intervention services within a clinical setting. Limited supervised practicum in the assessment and treatment of individuals with communication disorders may be assigned.

COMD 473 Aural Rehabilitation (3s; 4.5q)
Prerequisite: COMD 371 and 372 or permission of the instructor.
This course addresses the objectives, theory and techniques used in managing hearing impairments of individuals.

COMD 480 Introduction to Research in Communication Disorders (3s; 4.5q)
Prerequisite: senior standing
This course provides an overview of research methodology in the field of communication disorders. It is designed to familiarize the student with basic elements of reading, understanding and evaluating research. The student learns about the scientific method, the difference between basic and applied research, and important terms used in the research process.

COMD 490 Senior Capstone: Professional Issues in Communication Disorders (3s; 4.5q)
Satisfies: senior capstone university graduation requirement.
This course focuses on the integration of the knowledge the student has accumulated in the field of communication disorders and its application to issues affecting both professionals and individuals served. The course will strive to facilitate students’ thinking by requiring the completion of an assignment in which students must integrate their body of knowledge in the profession and apply it to a novel issue or problem.

COMD 491 Pennsylvania Seminar (1–3s; 1.5–4.5q)
Prerequisite: permission of the instructor, department chair and college dean.
This course is provided to allow the student to study a selected special topic within the discipline of communication disorders on an individual basis and under the direction of a program faculty member.

COMD 520 Research Methods (3s; 4.5q)
This course introduces the student’s research experience in the discipline. It emphasizes the importance of researching a scientific field and acquaints the student with the research literature. By the end of the course, students will have completed the introduction, review of literature and question assessment of their research proposals.

COMD 538 Phonological Acquisition and Behavior (3s; 4.5q)
Prerequisite: graduate standing or permission of the instructor.
This course involves an advanced study in the theoretical background of the acquisition and development of the phonological system. The relationship between the phonological system and disorders and remediation will also be discussed.

COMD 539 Special Topics (1–3s; 1.5–4.5q)
COMD 540 Pediatric Feeding and Swallowing (1s; 1.5q)
Prerequisite: graduate standing or permission of the instructor.
This course is a study of normal and atypical swallowing and feeding in infants and children.

COMD 542 Infant and Toddler Communication and Language (3s; 4.5q)
Prerequisite: graduate standing or permission of the instructor.
This course provides advanced study in communication and language development and disorders in infants and toddlers by focusing on current theory, assessment and treatment.

COMD 543 School-age and Adolescent Language (3s; 4.5q)
Prerequisite: graduate standing or permission of the instructor.
This course covers the development of language in typically developing and language-impaired school-aged and adolescent students. Various language disorders are discussed with the implications for assessment and intervention.

COMD 545 Autism Spectrum Disorder (2s; 3q)
Prerequisite: COMD 542.
This course is an in-depth study of the use of augmentative and alternative methods of communication for persons with severe speech and/or language impairments.

COMD 547 Augmentative Communication (3s; 4.5q)
Prerequisite: graduate standing or permission of the instructor.
This course is an in-depth study of the use of augmentative and alternative methods of communication for persons with severe speech and/or language impairments.

COMD 552 Neuropathologies of Language (3s; 4.5q)
Prerequisite: graduate standing or permission of the instructor.
This course is an advanced study of the language disorders that occur as a result of insult to the brain after birth, particularly after language acquisition. Emphasis is on aphasia and related disorders.

COMD 553 Voice and Resonance Disorders (2s; 3q)
Prerequisite: graduate standing or permission of the instructor.
This course provides information regarding the etiology and characteristics of disorders of the laryngeal and resonance systems. Assessment and treatment of laryngeal, pitch, vocal and resonance problems are presented.

COMD 554 Motor Speech Disorders (3s; 4.5q)
Prerequisite: graduate standing or permission of the instructor.
This course is an advanced study of motor speech disorders to prepare the student to work as part of a neurological team as an informed contributor to team management of neurologically disordered patients. Particular content includes medical, surgical, educational and communication management.

COMD 555 Bilingual and Cultural Issues (2s; 3q)
Prerequisite: graduate standing or permission of the instructor.
This course is designed to provide the student with information concerning the plurality of our society. More specifically, students will gain knowledge about the issues that may face them when working with clients who come from different cultural and/or language backgrounds.

COMD 556 Problems in Stuttering (2s; 3q)
Prerequisite: graduate standing or permission of the instructor.
This course is an in-depth study of current theories, issues, problems and treatment approaches in the area of stuttering.

COMD 557 Cleft Palate and Other Cranio-facial Abnormalities (2s; 3q)
Prerequisite: graduate standing or permission of the instructor.
This course presents the anatomy and physiology of swallowing as well as the evaluation and treatment of swallowing disorders.

COMD 561 Clinical Practicum (2–6s; 3–9q)
Note: may be repeated for credit with permission of instructor up to 24 quarter credits.
This course provides students with practical clinical experience working with children and adults who present with various speech, language, hearing and swallowing disorders.

COMD 562 Advanced Clinical Practicum (2–6s; 3–9q)
Note: may be repeated for credit with permission of instructor up to 24 quarter credits.
Prerequisite: permission from off-campus clinical practicum coordinator.
This course is an extension of clinical skills into off-campus practicum sites. Students will apply theoretical concepts to evaluation, treatment planning and therapy services for communicatively handicapped children and adults in community settings.

COMD 563 Special Clinical Practicum (1–2s; 1.5–3.5q)
Note: may be repeated for permission of the clinical director.
This practicum is designed for post-internship students. It typically involves the assignment of a challenging client and carries an expectation of a high degree of independence in case management.
COMD 568  Advanced Assessment: Principles and Procedures (2s; 3q)
Prerequisite: graduate standing.
This course is designed to facilitate the ability to gather, analyze and synthesize critical case information and make differential diagnoses of communication disorders. It includes independent problem-solving, development of treatment objectives from data and the writing of clinical reports.

COMD 596  Experimental Course (1–3s; 1.5–4.5q)

COMD 597  Workshops (1–3s; 1.5–4.5q)
Note: only one workshop course for up to 3 credits may be used to fulfill graduate degree requirements.

COMD 598  Seminar in Communication Disorders (1–3s; 1.5–4.5q)
Prerequisite: graduate standing or permission of the instructor.
This course provides graduate-level instruction in a specific content area in communication disorders utilizing a seminar format.

COMD 599  Independent Study (1–4s; 1.5–6q)
Prerequisite: permission of the instructor, department chair and college dean.
This course allows the student to engage in an independent study project in a selected field of communication disorders.

COMD 600  Thesis (1–8s; 1.5–12q)
Prerequisite: COMD 520; permission of the instructor, department chair and college dean.
Under supervision of staff members, the graduate student organizes and formally writes and presents a research project in thesis form.

COMD 620  Research in Communication Disorders I (2s; 3q)
Prerequisites: COMD 520.
This is the first of three courses designed to prepare the student to participate in basic and/or applied research in communication disorders. For this course, students will work with a faculty mentor to further refine the research idea developed in COMD 620. The culmination of this course will be: (1) the initial development of a literature review and methodology and (2) drafting and submission of IRB forms, as appropriate.

COMD 621  Research in Communication Disorders II (2s; 3q)
Prerequisites: COMD 620.
This is the second of three courses designed to prepare the student to participate in basic and/or applied research in communication disorders. For this course, students will work with a faculty mentor to further refine the research idea developed in COMD 620. The culmination of this course will be: a complete and thorough literature review and methodology for the student’s proposed research. The initial collection of data may take place under this course.

COMD 622  Research in Communication Disorders III (2s; 3q)
Note: this course is repeated in subsequent semesters until the thesis or research project is completed and successfully defended.
Prerequisites: COMD 621.
This is the third of three courses designed to prepare the student to participate in basic and/or applied research in communication disorders. The culmination of this course will be the collection of data (if applicable) and the development of either a thesis or poster to be defended at the end of the academic term in which this course is taken.

COMD 697  Clinical Field Experience (1–10s; 1.5–15q)
Note: graded Pass/No Credit.
Prerequisite: permission of the instructor, department chair and college dean.
This is an internship of one or more semesters of professionally supervised experience in a departmentally approved clinical setting, agency or institution. This course is typically taken as part of the Master of Science program, but can also be taken by individuals engaged in the speech-language pathology clinical fellowship (SLPCF) through the American Speech-Language-Hearing Association when sponsorship is provided by an Eastern Washington University faculty member.
COMMUNICATION STUDIES


UNDERGRADUATE PROGRAMS

CMST faculty designed this degree to offer you an exciting and fulfilling educational experience while simultaneously preparing you for a changing world.

The Bachelor of Arts Communications Studies offers you two options:
1. Communication Studies and 2. Communication Studies in Public Relations. Each option provides you with an introduction to concepts in communication and the social sciences. These degrees are similar with the exception of the elective component. The Public Relations option requires 66 credits for completion and has no required minor. The general Communication Studies option requires 59 credits for completion and requires a minor.

For the BA Communication Studies, you begin with two general introductory courses, CMST 207 Communication, Community and Citizenship and CMST 208 Mass Media and the Information Society. These are followed by CMST 309 Communication and Information. Another required class is CSBS 310 which introduces general social science concepts and methods.

As you progress in your education, you will choose one course from each of the emphasis areas of communication: Rhetorical and Cultural Studies, Organizational and Leadership Studies and Language and Social Interaction Studies. In addition, if you choose the Communication Studies option (#1 below), you will choose a minimum of 14 elective credits. If you choose the Communication Studies in Public Relations option (#2 below), instead of electives you will take JRNM 332, JRNM 451, JRNM 452 and JRNM 453 and either DESN 360 or DESN 368. Either BA option in Communication Studies culminates in a senior capstone course which allows you to synthesize your knowledge and skills.

All students are welcome to apply for a major in Communication Studies.

Requirements for graduation from Communication Studies are:
1. two years of one foreign language at the high school level or one year of one foreign language at the college level;
2. a minimum cumulative GPA =2.0 by graduation.
   • For transfer students, the Department of Communication Studies accepts up to 25 transfer credits, from comparable courses, toward our BA.
   • Students are advised that the university GER requirements for Gender and Cultural Diversity and International Studies require additional courses that are not required in the degree.
   • CMST 200 cannot be taken for credit toward the majors.
   • The program has two degree options in the BA: Communication Studies and Communication Studies in Public Relations.

BACHELOR OF ARTS (BA)

Student Learning Outcomes—students will:
• demonstrate an understanding of communications combined with skills in using contemporary technologies;
• present material in written, oral and multi-media formats;
• participate in community activities such as debate, internships or others that demonstrate applications of communications study and training;
• analyze the relationship between politics, economics, experience and communications media in international settings and will understand intercultural bases for communications;
• understand major theoretical positions and implications central to the discipline. Additionally, students will demonstrate competencies in at least two research methodologies.

COMMUNICATION STUDIES (59 CREDITS)

Section A—Required Foundation Credits (30 credits)
• CMST 201 Public Speaking (5)
• CMST 208 Mass Media in the Information Society (5)
• CMST 309 Communication and Information (5)
• CMST 330 Integrated Methods for Communication Research (5)
• or CSBS 320 Introductory Statistics (5)
• CMST 490 Senior Capstone Seminar: Communications Studies (5)
• CSBS 310 Foundations of Social and Behavioral Science Theory (5)

Section B—Required Upper Division Core Credits (15 credits)
Students will choose at least three 400-level CMST classes.

Note: The following classes cannot count in this section: Internships (CMST 480, CMST 481 or CMST 495), Independent Directed Studies (CMST 499) or Capstone (CMST 490). Any course used in Section B cannot count in Section C.

Section C—Electives (14 credits)
Fourteen credits from any classes within the Department of Communication Studies or from the Public Relations sequence in Journalism (JRNM 451, JRNM 452 and JRNM 453) or CSBS 320 if not taken to satisfy foundation credit.

Note: CMST 200 cannot be taken for credit towards the Communication Studies Majors.

Section D—The STAR Component (Study/Act/Reflect)
This requirement can be satisfied by submitting a brief essay, approximately 900 words, exhibiting cognitive reflection between communication concepts or theory and everyday activities such as internships, service-learning activities, employment, volunteer activities, etc.

Required foundation credits 30 credits
Required core credits 15 credits
Elective credits 14 credits
Total credits for above major 59 credits

Note: A minor is required for this degree. After your required and minor courses are completed, you may need additional hours to meet the university requirement of 180 hours. You should choose these courses with your needs in mind from either the communication studies offerings or other university offerings. Generally these courses should be 300 and 400 level courses.

COMMUNICATION IN PUBLIC RELATIONS OPTION (66 CREDITS)

Students seeking a degree in Communication in Public Relations Option must complete the Foundation and Core Area requirements for the BA in Communications Studies, plus the Public Relations Core requirements.

Required Foundation Credits (30 credits)
• CMST 207 Communication, Community and Citizenship (5)
• CMST 208 Mass Media and the Information Society (5)
• CMST 309 Communication and Information (5)
• CMST 330 Integrated Methods for Communication Research (5)

Required Core Credits (15 credits)
• JRNM 332 News Writing (5)
• JRNM 451 Introduction to Public Relations Theory (4)
• JRNM 452 Advanced Public Relations Theory (4)
• JRNM 453 Public Relations Writing (4)

and choose one of the following:
• DESN 360 Publication Design (4)
• DESN 368 Web Design 1 (4)

Required foundation credits 30 credits
Required core credits 15 credits
Required public relations credits 21 credits
Total credits for above option 66 credits

Note: CMST 200 cannot be taken for credit towards the Communication Studies Majors.

CERTIFICATE

LEADERSHIP CERTIFICATE (22–25 CREDITS)

The purpose of the Leadership Certificate is to educate and empower students to become proactive leaders in our society regardless of chosen profession. The Certificate provides an interdisciplinary course of study with a focus on the theoretical and experiential understanding of leadership. Students will benefit from a broad spectrum of classes that entail a leadership component. Collectively, these courses will provide a rich compilation of perspectives on leadership. Students will also benefit from the thorough examination and critique of their evolving leadership style.

Grade Requirements
Acceptance to the certificate program requires that students have at least a 2.5 cumulative grade point average. Students must maintain a cumulative grade point average in the certificate ≥2.7 with no single course grade <2.5.
Prerequisites: students must complete the following courses before admission to the certificate program.

- ENGL 101 College Composition (5) (or equivalent)
- One GECR course from Humanities and Fine Arts
- PHIL 213 Moral Issues in America (5) (recommended)
- One GECR course from Social Sciences
- SOCI 101 Introduction to Sociology (5) (recommended)

Required Courses

Basic Leadership—select from the following (2–3 credits)
- CSBS 200 Introduction to Leadership (3)
- MLSC 203 Basic Military Team Building III (2)

Any other course (minimum 2 credits) that focuses on leadership skills (e.g., residential life leadership classes or student government leadership workshops). The certificate advisor will determine whether the course in question qualifies as a leadership basics course.

Theory and Philosophy—select from the following (4–5 credits)
- CMST 438 Topics in Leadership and Strategic Communication (5)
- ITGS 400 Interdisciplinary Senior Capstone: Journeys in Leadership (4)
- ITGS 400 Interdisciplinary Senior Capstone: Creating Change (4)

List 1: Group and Organization—select from the following (5 credits)
- CMST 250 Small Group Communication (5)
- CMST 430 Communication in Organizations (5)
- PSYC 581 Social Psychology (5)
- SOCI 481 Social Psychology (5)

List 2: Leadership Concepts

Select from the following (9–10 credits)
- CMST 210 Interpersonal Communication (5)
- CMST 250 Small Group Communication (5)
- CMST 312 Nonverbal Communication (1–5)
- CMST 314 Gender and Communication (5)
- CMST 340 Intercultural Communication (5)
- CMST 397 Workshop in Communication Studies (1–5)
- CMST 413 Communication and Personal Relationships (5)
- CMST 430 Communicating in Organizations (5)
- CMST 451 Argumentation and Persuasion (5)
- CMST 452 Communication Theory and Methods (5)
- HLED 201 Introduction to Health and Wellness (3)
- HLED 381 Mind/Body/Spirit Health (3)
- MGMT 326 Organization Theory and Behavior (4)
- MGMT 471 Multinational People Management (4)
- BUS 471 Military Science and Officership I (2)
- PHIL 411 Theory of Knowledge (5)
- PSYC 307 Psychology of Adjustment (5)
- PSYC 315 Psychology of Human Relations (4)
- PSYC 431 Stress and Coping (3)
- SOCI 471 Sociology of Work (5)
- SOCI 482 Identity and Power (5)
- Xxxx 496/497/498 Topics—requires prior approval of the certificate advisor

Restrictions on Selecting Courses From Across Lists 1 and 2

Two courses must be at the 400 level. No more than 5 credits can be taken from the student’s major area. The course selected from List 1 cannot also satisfy a List 2 course option.

- Note: Some courses on Lists 1 and 2 have prerequisites that are not included in the Leadership Certificate program. Please review the Graduate and Undergraduate Catalog for prerequisite information.

All students must complete the portfolio assessment course (2 credits)
- CSBS 494, Leadership Portfolio (2)

Basic Leadership cross-listed
- 2–3 credits

Theory and Philosophy
- 4–5 credits

Group and Organization
- 5 credits

Leadership Concepts
- 9–10 credits

Leadership Portfolio
- 2 credits

Minimum total credits for above certificate
- 22 credits

MINOR

COMMUNICATION STUDIES MINOR (19–20 CREDITS)

Choose courses that total at least 19 credits from Communication Studies course offerings with at least one 5 credit course from the 400-level offerings, excluding CMST 499.

Minimum total credits for above minor
- 19 credits

COMMUNICATION STUDIES

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www.ewu.edu

GRADUATE PROGRAM

Galina Sinekopova, Director 229 Communications Bldg. 509.359.2865

The Department of Communication Studies administers the Master of Science in Communications and cooperates in the Master of Arts in Communication Studies. Students interested in post-secondary teaching should refer to the College of Education section in this catalog. The MS in Communications program is also described below. Proposed individualized interdisciplinary programs should be developed in consultation with a Communication Studies graduate advisor 509.359.4947.

MASTER OF SCIENCE IN COMMUNICATIONS

Student Learning Outcomes—students will:

- deploy various written, oral and electronic media in creating and presenting original work;
- analyze various cultural products through the application of contemporary communications theories and methods.

The Master of Science in Communications Program is an interdisciplinary professional program. It addresses the growing need for theory-grounded communication professionals in business, government and the non-profit sector, including: public relations practitioners, advertising writers, educators, graphic designers, consultants, training and development professionals, media policy experts, print and electronic journalists—and indeed anyone who must know how to create, manage and assess communication initiatives in a global environment. The MSC program offers students a strong foundation in communication theory and methodology and encourages application in such emphasis areas as organizational, technological, instructional and cultural communication.

The program is designed for career-oriented individuals who want to advance in their chosen fields or to move from their undergraduate programs to the competitive job markets. The MSC program’s rigorous coverage of communication theory and methodology also provides a strong foundation for those intending to pursue doctoral studies.

Applicants are admitted to the program throughout the academic year. In addition to the general university requirements for admission to graduate studies, applicants must submit the following directly to the MSC office: a written essay of no more than 1000 words describing their background and goals and how the program will help actualize those goals; résumé; at least two letters of recommendation. The MSC Director’s recommendation for admission, based on an interview with the applicant, is required. Applicants must submit a GRE general score; the verbal section score will be given special consideration. If an undergraduate statistics course is not taken before admission to the program, it must be taken prior to taking the research methods sequence. Based on their credentials and entrance requirements, applicants may be asked to take some classes in addition to the courses in the program in order to correct deficiencies. At least one year’s successful professional experience will enhance application.

Courses leading to the MS degree in communications are offered by the following programs:

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<th>Business Administration</th>
<th>College Instruction</th>
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<tr>
<td>Communication Studies</td>
<td>Computer Science</td>
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<tr>
<td>Psychology</td>
<td>Education</td>
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Visual Communication Design Journalism

Public Administration Rhettoric and Technical Communication

Core courses (31 credits)

Introductory Course
- CMST 568 Introduction to Graduate Studies (2)

Theory Courses
- CMST 501 Advanced Communication Theory (5)
- CMST 502 Contemporary Trends in Communication Studies (5)

Methodology Courses
- CMST 520 Communication Inquiry (5)
- CMST 521 Research Design and Analysis I (5)
- CMST 522 Research Design and Analysis II (5)

Technology Course
- TECH 504 Communication Technologies (4)
- CMST 504 Communication Systems (4)
Interdisciplinary Component
Students will choose a minimum of two courses from at least two of the following four emphasis areas—organizational, technological, instructional and cultural communication. One of these two courses must be the required course in the emphasis area. Suggested course offerings for each emphasis area are given below. Deviations from the suggested offerings must be petitioned in writing to and approved by, the graduate faculty advisor and the MSC Director.

ORGANIZATIONAL COMMUNICATION
*Focus:* role of communication within and between complex organizational systems and their strategic publics.

**Required**
- CMST 530 Communication in Organizations (5)

**Electives**
- BADM 541 Managerial Communications (4)
- CMST 438 Topics in Leadership and Strategic Communication (5)
- CMST 539 Special Topics (1–5)
- CMST 590 Problems in Contemporary Public Communication (5)
- CMST 569 Thesis Preparation (1)
- CMST 578 Seminar in Consulting Processes (2)
- CMST 598 Communication Seminar (1–5)
- ENGL 568 Technical Communication and ESP: Practice, Theory and Pedagogy (5)
- JRNRM 451 Introduction to Public Relations Theory (4)
- JRNRM 452 Advanced Public Relations Theory (4)
- JRNRM 453 Public Relations Writing (4)
- JRNRM 498 Seminar in Journalism Problems (1–5)
- PADM 503 Concepts and Values of Public Service (4)
- PADM 511 Public Sector Organization Theory and Dynamics (4)
- PADM 517 Professional Employment (2)
- PADM 525 Public Sector Grant-Writing and Administration (4)
- PADM 571 Entrepreneurship: Journey or Destination (4)
- PSYC 507 Human Development: Research, Theories, and Applications (4)
- PSYC 544 Counseling Theory and Techniques (4)
- PSYC 545 Appraisal in Mental Health Counseling (4)

TECHNOLOGICAL COMMUNICATION
*Focus:* role of established and emerging forms of electronically-mediated communication in local, national and global settings.

**Required**
- TECH 504 Communication Technologies (4)
- or CMST 504 Communication Systems (4)

**Electives**
- CMST 539 Special Topics (1–5)
- CMST 569 Thesis Preparation (1)
- CMST 598 Communication Seminar (1–5)
- CSCD 439 Seminar/CSCD 539 Topics in Computer Science (4)
- CSCD 599 Topics in Computer Science: Multimedia Techniques (4)
- DESN 463 Visual Communications Design 3 (5)
- ENGL 503 Information Design (5)
- ENGL 504 Instructions and Procedure (5)
- TECH 550 Computer Graphics (4)
- TECH 599 Independent Study: Advanced Web Design (4)

INSTRUCTIONAL COMMUNICATION
*Focus:* role of communication as developmental phenomenon in any learning environment.

**Required**
- CMST 578 Seminar in Consulting Processes (2)
- or PSYC 507 Theories of Human Development (4)

**Electives**
- CMST 539 Special Topics (1–5)
- CMST 590 Problems in Contemporary Public Communication (5)
- CMST 569 Thesis Preparation (1)
- CMST 598 Communication Seminar (1–5)
- COIN 571 Survey of Post-Secondary Education (4)
- COIN 572 Strategies for Teaching Adults (4)
- EDUC 505 Current Issues in Education (4)
- EDUC 507 Philosophy and Organization of the American School (4)
- EDUC 530 Foundations of Educational Communication and Information Technology (4)
- EDUC 533 Instructional Systems Development (4)
- PSYC 505 Applied Learning Theory and Behavior Modification (4)
- PSYC 515 Advanced Educational Psychology (4)
- PSYC 544 Counseling Theory and Techniques (4)
- PSYC 545 Appraisal in Mental Health Counseling (4)
- PSYC 580 Consultation in the Counseling Profession (2)

CULTURAL COMMUNICATION
*Focus:* role of culture and communication in the formation and transformation of meanings and power in human life.

**Required**
- CMST 570 Communication and Cultural Studies (5)

**Electives**
- CMST 314 Gender and Communication (5)
- CMST 411 Negotiation Skills and Strategies (5)
- CMST 440 Global Communications (5)
- CMST 539 Special Topics (1–5)
- CMST 550 Problems in Contemporary Public Communication (5)
- CMST 569 Thesis Preparation (1)
- CMST 598 Communication Seminar (1–5)
- ENGL 555 Contemporary Composition Theory (5)
- ENGL 568 Technical Communication and ESP: Practice, Theory and Pedagogy (5)
- ENGL 573 History of Rhetoric (5)
- ENGL 575 Contemporary Rhetorical Theories (5)
- SOWK 555 Conflict Management (4)
- WMST 410 Feminist Theory (4)

Final Comprehensive Examination Options
Before the awarding of the master’s degree, each student will successfully complete one of two options: (A) a thesis or other research project; (B) a written examination. Both options also involve an oral examination component.

**Option A**
The thesis or research project will be selected in consultation with the student’s faculty advisor. Each student shall complete an oral examination, which will focus primarily on the master’s thesis or project but which may also include questions to demonstrate competence in all areas included in the program of that student. Students will provide copies of their master’s thesis or project to the oral examination committee at least two weeks in advance of the scheduled oral examination. The oral examination committee will consist of at least two graduate faculty members representing the interdisciplinary content of the student’s program and one third member designated by the Graduate Office. Students who select Option A are strongly encouraged to take CMST 569 Thesis Preparation.

**Option B**
The written examination is designed to test students’ competence across the breadth of their program. Over the course of 4.5 hours, the student will address questions on theory (1.75 hours), methodology and method (1.75 hours) and one emphasis (1 hour). The student will approach prospective committee members to ensure they are willing to provide examination questions. The MSC Director will provide copies of the student’s written answers to the examination committee at least two weeks in advance of the scheduled oral examination. The written and oral examination committee will consist of four graduate faculty members: two from Communication Studies, one of whom will chair the committee; one from a unit other than Communication Studies that contributes to the MSC; and a faculty member designated by the Graduate Office.

For options A and B, the final oral examination will be open to interested faculty and students and may be open to questions from non-committee members at the discretion of the committee. The final oral examination for option A will be no longer than 2 hours. The final oral examination for option B will be no longer than 1.5 hours. With respect to option A, the oral examination will not be held over vacation periods or during summer quarter except by advance approval of all committee members. The same holds true for the written and oral examinations in option B.

**Option A**
- **Required core credits:** 31 credits
- **Interdisciplinary component credits:** 26 credits
- **Research component:** 2–6 credits
- **Minimum total:** 63 credits

**Option B**
- **Required core credits:** 31 credits
- **Interdisciplinary component credits:** 27 credits
- **Research component:** 2–5 credits
- **Minimum total:** 63 credits
Communication Studies Courses

Terms offered: fall, winter, spring, summer (FWSU).
If not otherwise indicated, check with the department or EagleNET.

CMST 200 Introduction to Speech Communication (4) FWSU
Note: CMST 200 cannot be taken for credit by Communication Studies Majors.
Analyzes verbal interaction, barriers to communication, effective listening and the application of fundamental principles to one-to-one, small group and one-to-many experiences.

CMST 201 Public Speaking (5)
This course is the study of the basic principles of public communication. This is a course in design, delivery, organization and presentation of speeches for public groups with an emphasis on informative and persuasive speeches, message delivery and presentation of visual aids.

CMST 207 Communications, Community and Citizenship (5) FWSU
This course is designed to develop critical thinking skills as exhibited in reasoning and argumentation, with a further goal of examining how the power of an individual’s public voice can affect society. The course begins with a study of the rhetorical tradition of reasoning and argumentation, including elements of this tradition. After this course progresses students will analyze, from historical to modern times, examples of individuals using their public voice and the resulting impact upon society. The course will culminate with students creating a reasoned, ethical argument as a final project.

CMST 208 Mass Media and The Information Society (5) FWSU
Satisfies: GECR for social sciences, list 2, anthropology, geography, psychology and sociology.
This course introduces students to the range of historical, cultural, economic and social issues affected by the development and continued evolution of mass media. Books, magazines, sound and video recording, the development of electronic media and of the Internet provide the context for examinations of media uses and effects, media policy and law and social effects of media.

CMST 210 Interpersonal Communication (5)
This course is a further exploration of the human communication process. It includes the perceptual and attribution processes surrounding messages, the construction of verbal and nonverbal messages, the functions of messages in interaction and the role of interpersonal communication processes on a variety of interpersonal relationship types.

CMST 250 Small Group Communication (5)
This course focuses upon theories, concepts and skills to improve small group communication with application to various task-oriented groups. This course emphasizes problem-solving, communication and participant-leadership skills.

CMST 300 Visual Literacy (5) Cross-listed: DESN 300.
This course helps students develop the set of skills needed to critically interpret images of the past and present and produce images that effectively communicate a message to an audience. This includes an awareness of technology’s role in the creation and consumption of visual communication along with the role of persuasive strategies to target visual consumers. Students will both analyze and produce rhetorical-visual images and develop the skills needed to manage visual representation in a cultural context.

CMST 301 Political Communication (5)
How Americans use oral and televisual communication to confront and change their environment. Emphasis on American speakers in American political contexts. Topics vary.

CMST 305 Message Delivery (4) Prerequisite: junior standing.
Analysis and application of message delivery techniques, focusing on voice and articulation, modes of delivery and style, communication apprehension, situational factors and visual support.

CMST 309 Communication and Information (5) FWSU
An introduction to the history and development of communication theory. This is the first course in the communication major as well as the first course in communication theory. Topics include theory development, observation techniques, a survey of theories and ethical questions.

CMST 312 Nonverbal Communication (1–5)
This course is a variable credit course and will be offered from one to five credits. Topics that are covered include the other-than-words side of human interaction within different cultures, genders, relationships and situations. There will be an emphasis on the basic theories of nonverbal communication and the interaction between nonverbal and verbal communication.

CMST 314 Gender and Communication (5) Cross-listed: WMST 314.
Prerequisite: sophomore standing.
Satisfies: cultural and gender diversity university general education requirement.
This course examines current research on the interactions among language, gender and communication in contemporary social and cultural contexts.

CMST 326 Debate (1–3) Note: this course may be repeated for a total of 6 credits applied toward the CMST major.
The in-class portion of this course teaches how to create, analyze and critique ideas and how to build or defend a reasoned argument. The out-of-class competition portion of this course includes individual events, such as informative and persuasive speaking and oral interpretation.

CMST 330 Integrated Methods for Research Communication (5) Prerequisite: declared major in Communication Studies, Interdisciplinary Studies with a Communication emphasis.
An introduction to the core group of scientific methods and analytic techniques used in communication research.

CMST 331 Interviewing (5)
This course is an introduction to the principles of interviewing theory and practice. The communication components of interviewing are examined from both the interviewer’s and the interviewee’s perspective. Topics include the processes of planning, mapping and analyzing the interview. Then, a variety of topical interviews such as selection, performance review, counseling, discipline, termination, focus groups, research, information gathering, information giving, media, sales and client intake are examined through this process in an organizational and communication context.

CMST 335 Conference Management (1–5) Note: may be repeated up to 6 credits.
Focuses on the analytical and critical investigation of the communication process in the conference setting as a means of enhancing communication effectiveness. Provides hands-on experience in selecting a conference theme, designing a public conference, recruiting resource people, advertising the conference, registering participants and conducting the conference.

CMST 340 Intercultural Communication (5) Prerequisite: cultural and gender diversity university general education requirement.
Study of the basic principles of face-to-face interaction in small group and one-to-one situations. Topics include perception, stereotypes, prejudice, world views, ethnocentrism, racism, the attribution process and uncertainty reduction.

CMST 351 Communicative Reasoning (5)
Logical development and support of arguments, analysis of evidence, briefing of arguments and practice in debate. In addition, this course is designed to prepare students to use practical reasoning applied to persuasive communication situations, to give students a general background on the basic principles of argumentation and to engage critical and analytical thinking skills in order to identify, understand and resolve communication problems.

CMST 395 Field Work in Communication Studies (1–5) FWSU
Prerequisite: permission of the instructor, department chair and college dean.
Directed student participation in the communication processes or problems of an industry, a political campaign or a non-profit organization.

CMST 396 Experimental Course in Communication Studies (1–15) FWSU
Training programs or workshops emphasizing practical knowledge and skills. Topics vary.

CMST 399 Special Studies (1–5) FWSU
Prerequisite: permission of the instructor, department chair and college dean.
Subjects reflect recent developments in the field of human communication.

CMST 400 Message Design (5)
An investigation of message construction for large, public audiences. Stress on invention, organization and style. Includes speech writing and written message design.

CMST 410 Language and Social Interaction (5)
A study of language and communication from two aspects: form and strategy. The formal study entails the examination of patterns, rules and structures of language, conversation and discourse. The strategy study focuses on the use of language and communication for accomplishing identity goals, relational goals and instrumental goals.

CMST 411 Negotiation Skills and Strategies (5)
The basic premise of this course is that one needs strong negotiation and analytical skills for effective communication. Hence, the goal of this course is to help the student to understand the theory of negotiation and to master key strategies. The course will allow the student to develop negotiation skills experientially and to appreciate the nature and role of effective negotiation. The course is relevant to many students interested in a social science field since, as a working professional, the student will face many conflict problems that can be best resolved through effective negotiation.

CMST 413 Communication and Personal Relationships (5)
An advanced examination of the verbal and nonverbal communication processes in the development, maintenance, breakdown and repair of personal relationships, including romantic, friendship and family relationships.

CMST 416 Gender and Media (5) Cross-listed: WMST 416.
Prerequisite: junior standing.
This course examines some of the relationships between media in the U.S. and social constructions of gender and sexuality.
### CMST 419 Sex, Sexuality and Communication (5)

**Cross-listed:** WMST 419.

**Prerequisite:** one WMST course or CMST course.

This seminar examines the construction of sexuality and sexual identity through communication, with a focus on the relationship between public policy and private sexuality.

### CMST 420 Health Communication (5)

This course surveys theory, research and practice in health communication and health literacy. Topics include clinician-patient interaction, family communication, group and organizational communication, mass media and web-based campaigns.

### CMST 430 Communication in Organizations (5)

The study of communication systems, channels, networks and barriers; the role of communication in organizational assessment and change; the relationship between communication practices and organizational effectiveness, corporate image and credibility.

### CMST 431 Communication Law and Ethics (5)

This course examines the legal limitations on human communication, as well as the rights and responsibilities of professional communicators.

### CMST 432 Media Systems and Communication Technology (5)

This course is designed to allow students to explore mass media systems and technology and their interaction with and upon society. Students will learn the historical perspective of media systems and technology along with issues of media convergence upon our lives, specifically upon our communication.

### CMST 438 Topics in Leadership and Strategic Communication (5)

This course is a variable topic course focusing on leadership and/or strategic communication. Areas which might be covered include skills training, readings in the knowledge and techniques of leadership and the effective use of strategic communication. This course is designed to be both a theory and application course.

### CMST 440 Rhetorical Theory and Criticism (5)

This course surveys contemporary theories of rhetorical communication and analyzes areas of methodological controversy. We will discuss topics such as communication’s role in defining humanity, power and communication, marginal groups and public discourse, gender/s and rhetoric, evidence and public policy argument and the impact of emerging communication technologies on methodological positions. We will operate from the assumption that language reflects, selects and defies reality in its construction of how we perceive the world.

### CMST 450 Argumentation and Persuasion (5)

This course is designed to introduce students to a variety of theoretical perspectives and views of argumentation and persuasion, with a particular focus on both logical development and support of arguments and effective persuasion in today’s world. Students examine current texts and images to see how to create powerful persuasive messages. Students create and critique arguments and persuasive messages necessary for effective performance as a producer and consumer of persuasive communication.

### CMST 451 Cultural Studies (5)

This course is designed as an introduction to theoretical, historical developments and current issues of cultural studies as an interdisciplinary subject. In this course key topics in culture and communication will be discussed, such as language, representation, subjectivity, power, ideology, identity, modernity and post-modernity and globalization.

### CMST 452 Topics in Image, Messages and Meaning (5)

This course allows students to learn effective visual and written communication in the creation of meaning. Students will be offered the opportunity to gain knowledge and build on this information by evaluating others’ efforts at message design and then by creating their own effective image and/or message to convey meaning.

### CMST 453 Topics in Image, Messages and Meaning (5)

This course allows students to learn effective visual and written communication in the creation of meaning. Students will be offered the opportunity to gain knowledge and build on this information by evaluating others’ efforts at message design and then by creating their own effective image and/or message to convey meaning.

### CMST 454 Topics in Image, Messages and Meaning (5)

This course allows students to learn effective visual and written communication in the creation of meaning. Students will be offered the opportunity to gain knowledge and build on this information by evaluating others’ efforts at message design and then by creating their own effective image and/or message to convey meaning.

### CMST 475 Electronic Surveillance and Privacy (5)

The course examines the social implications of a world in which everyday life is increasingly subject to electronic surveillance. The course begins with a survey of the theoretical and policy approaches to understanding the growth of electronic surveillance and its consequences. As the course progresses, students will conduct in-depth analyses of various modes of surveillance. The course concludes with a critical assessment of regulatory approaches to surveillance.

### CMST 480 Pre-Internship Workshop (2)

Must be taken at least one quarter before internship. May be taken as early as the first quarter of the junior year.

### CMST 481 Internship Workshop (2) FWSU

Must be taken at the same time as the internship, CMST 495.

### CMST 490 Senior Capstone Seminar: Communications Studies (5) FWS

**Satisfies:** senior capstone university graduation requirement.

Senior Capstone is a required course for all students graduating with degrees in Communication Studies. Communication topics integrated into course content will include audiences, codes, interaction, power and influence, strategy, ethics, messages and contexts. In a seminar format and focused on contemporary issues relating to communication, the course will focus on the professional development of communication studies students. Students will also prepare and defend a portfolio.

### CMST 499 Senior Capstone Seminar: Communications Studies (5) FWS

**Satisfies:** senior capstone university graduation requirement.

Senior Capstone is a required course for all students graduating with degrees in Communication Studies. Communication topics integrated into course content will include audiences, codes, interaction, power and influence, strategy, ethics, messages and contexts. In a seminar format and focused on contemporary issues relating to communication, the course will focus on the professional development of communication studies students. Students will also prepare and defend a portfolio.

### CMST 500 Advanced Communication Theory (5)

This advanced course emphasizes the role of theory in the process of communication inquiry. The course covers a variety of communication theories, reflecting the diverse aspects of the field. In the course communication is analyzed from several theoretical standpoints: as message transfer, as practical art, as mediation by signs, as sharing of experiences, as socio-cultural order and as arrangement of power. The course shows how advanced theory can be used in the analysis of traditional and emerging communication contexts.

### CMST 502 Contemporary Trends in Communication Studies (5)

**Prerequisite:** CMST 501.

A survey of the progress of research in communication theory and the exploration of the directions the research will take in the 21st century.

### CMST 504 Communication Systems (4)

The course consolidates and extends existing knowledge of media and mass communications as institutions and sets of practices. The interlinkage of media forms, institutional contexts, ideologies, law and economics are explored as these affect the construction and interpretation of specific media messages.

### CMST 509 Communication Inquiry (5)

This course is the first in a three part sequence on research methods. This course provides the theoretical basis of research methodology.

### CMST 510 Research Design and Analysis I (5)

**Prerequisites:** completion of a statistics course (undergraduate or graduate level) and CMST 520.

This course is designed to present experimental and survey methodologies, with a special emphasis upon knowledge when to choose which method, how to apply the method, and how to interpret the results. Computer statistical analyses are a requirement of this course. Information on how to write quantitative research reports will also be presented and students will be expected to write a quantitative research report.
CMST 522  Research Design and Analysis II (5)  
Prerequisites: completion of a statistics course (undergraduate or graduate level) and CMST 520.

This course is designed to present a minimum of three qualitative methods, with a special focus upon acquiring the ability to apply and understand the results from these methods. Computer programs and basic statistical analysis may be a requirement of this course. Information on how to write qualitative research reports will also be presented and students will be expected to write a qualitative research report.

CMST 530  Communication in Organizations (5)  
The focus is on communication systems, channels, networks and barriers. Also included is a consideration of the role of communication in organizational change, auditing organizational communications, the relationship between communication and organizational effectiveness and communication training programs.

CMST 539  Special Topics (1–5)  

CMST 550  Problems in Contemporary Public Communication (5)  
Problems inherent in adjusting ideas to people in the United States primarily during the last 15 years. Discussion of rhetorical strategy and tactics included in public apologist, demagoguery, conflict, public argument and persuasion.

CMST 568  Introduction to Graduate Studies (2)  
Prerequisite: graduate standing or permission of the instructor. The course is designed to introduce new students to the expectations of our graduate program. Students will learn to write a review of the literature, meet faculty members and learn of the various interdisciplinary concepts of study available in the program.

CMST 569  Thesis Preparation (1)  
Prerequisite: 10 credit hours of graduate coursework. The class is designed as a workshop to help MSC students develop a proposal for their master’s thesis or research project. Students in other programs may find it useful as well.

CMST 570  Communication and Cultural Studies (5)  
Prerequisite: admission to a graduate program or the instructor’s permission. This course examines the post-structuralist and interdisciplinary roots of cultural studies and explores the theoretical and methodological problems and issues central to cultural studies scholarship, including the construct of subcultures and the relationship of power to the cultural formations of identity and difference, institutions, ideologies, artifacts, consumption and production. Skills and methods covered include: social change advocacy, critical analysis, writing, presentation and the synthesis, conceptualization and evaluation of how we theorize about, interpret and critique cultural artifacts and practices.

CMST 578  Seminar in Consulting Processes (2)  
This course is designed to present the types of professional consulting and general approaches to consulting methodology. It outlines the basic knowledge, skills and resources that are tools for consulting; introduces the nature and role of change; and helps students to evaluate their own consulting skills and to design a program to improve them.

CMST 596  Experimental Course (1–5)  
CMST 597  Workshops (1–5)  
Note: only one workshop course for up to 3 credits may be used to fulfill graduate degree requirements.

CMST 598  Seminar (1–5)  
CMST 599  Independent Study (1–5)  
Prerequisite: permission of the instructor, department chair and college dean. Individual study projects in a selected area of human communication.

CMST 600  Thesis (1–6)  
Prerequisite: admission to Master of Science in Communications; permission of the instructor, department chair and college dean. Independent research study under the direction of a graduate advisory committee.

CMST 601  Graduate Research in Communication Studies (1–6)  
Prerequisite: permission of the instructor, department chair and college dean.

CMST 602  Exam Preparation (1–2)  
Prerequisite: submission and approval of candidacy form, permission of the instructor, department chair and college dean. Directed course of reading and study under the direction of a faculty member serving on the student’s comprehensive examination committee (Option B).
UNDERGRADUATE PROGRAMS

Computer Science is a rapidly evolving and exciting discipline involving the study of computing systems and computation. Computing systems are now a critical component in nearly every field. As computer applications have increased in number and complexity, so has the need for specialists in computer systems and software. Research in computer science continues to broaden and extend our knowledge and provide new opportunities.

The study of computer science is a challenging and satisfying intellectual activity that can be carried forward into graduate school and throughout one’s life. Our graduates achieve a high degree of success in building careers in both public and private sectors.

Research Facilities and Equipment

The Animation Production Studio: equipped with professional grade software and hardware, this lab houses our motion capture system and blue screen and offers students an excellent environment for creating and developing quality animation, computer games and multimedia applications.

Center for Network Computing and Cyber Security: this lab contains support materials and hardware for computer science courses in secure client/server network programming, web server security, network intrution detection and computer forensics.

Computer Architecture and Embedded Systems: resources and equipment are available to supporting studies in these areas.

Parallel Processors: the department has a Beowulf cluster and an array processor that support coursework and projects in parallel and distributed computing.

Classroom Labs: these teaching labs provide hands-on instructional capabilities for Computer Science and Computer Literacy courses.

Lower Division Computer Science Lab: this study lab supports lower division students, staffed by peer tutors.

Upper Division Computer Science Lab: designed to support junior and senior level Computer Science and Computer Information Systems courses, this lab is equipped with powerful Unix/Linux/Windows workstations and servers made available for course projects in software design; client/server application development; relational database design and administration; and signal processing.

Opportunities for Students: upper-division majors should check on EagleAXIS for opportunities for work-study and departmental positions as course assistants, paper graders, tutors, or computer consultants.

Many of our students are able to obtain internships where the theory and skills learned in the academic setting are put to the test. Internships allow students to gain new knowledge and understanding of current practices. An internship experience is an excellent opportunity to refine your career aspirations and make valuable contacts for future employment.

All students in our programs are encouraged to join the student chapter of the Association for Computing Machinery (ACM). This group sponsors colloquia, field trips, programming contests and social events. Membership in the student chapter is the beginning of a long-term opportunity to connect with professionals in your chosen field.

Preparation: High school students wanting to pursue a major in this department are advised to take as much mathematics as possible, including a course or courses in their senior year. Students will benefit from computer science courses available in their high school but should not take them at the expense of mathematics courses. High school students are also encouraged to take laboratory science courses and a keyboarding course.

Community college transfer students interested in Computer Science should pursue mathematics courses through pre-calculus or beyond, dependent upon the degree of choice, as well as an advanced sophomore level composition course. Transfer students may consult transfer guides at www.ewu.edu/transferguide to determine whether their institution has developed agreements with Eastern for transfer equivalencies, and which courses are equivalent for general education requirements and courses that may apply to the major. All transfer students are encouraged to contact the department for advice on selecting their preparatory coursework. Courses taken to apply to the major should be taken late in the community college experience, just prior to transferring to EWU.

All prospective department majors should contact the Department of Computer Science to obtain the latest information to aid in planning a program of study. See grade requirements below.

Major Declaration

Freshman and transfer students entering Eastern with an interest in the computing sciences are encouraged to declare their major as soon as practical.

To declare a major, the student completes the declaration form found at access.ewu.edu/Documents/Records-Reg/MajorDeclarationForm.pdf, sign it and brings it to a computer science advisor. The student may contact an advisor for an appointment, and bring official or unofficial copies of all non-EWU college-level work to the meeting. At the advising session the student will have the opportunity to review course requirements, ask questions, prepare a quarterly schedule and finish the major declaration.

Required Computer Science Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>CSCD 100</td>
<td>Introduction to Computer Science</td>
<td>4</td>
</tr>
<tr>
<td>CSCD 120</td>
<td>Programming Principles I</td>
<td>4</td>
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<tr>
<td>CSCD 121</td>
<td>Programming Principles II</td>
<td>4</td>
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<tr>
<td>CSCD 240</td>
<td>C and Unix Programming</td>
<td>4</td>
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<tr>
<td>CSCD 300</td>
<td>Data Structures</td>
<td>4</td>
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<tr>
<td>CSCD 320</td>
<td>Algorithms</td>
<td>4</td>
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<td>CSCD 327</td>
<td>Relational Database Systems</td>
<td>4</td>
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<tr>
<td>CSCD 330</td>
<td>Computer Networks</td>
<td>4</td>
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<tr>
<td>CSCD 349</td>
<td>Design Patterns</td>
<td>4</td>
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<tr>
<td>CSCD 350</td>
<td>Software Engineering</td>
<td>4</td>
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<tr>
<td>CSCD 388</td>
<td>Senior Project</td>
<td>4</td>
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<tr>
<td>CSCD 490</td>
<td>Senior Capstone</td>
<td>4</td>
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</tbody>
</table>

Required Option Courses--additional electives

20 hours of department approved coursework outside computer science.
Required MATH and PHIL Supporting Courses
MATH 301 Discrete Mathematics (5)
PHIL 212 Introduction to Ethics (5)

Electives—four additional elective courses
CSCD 303 Computer and Information Security (4)
CSCD 305 C++ Programming (4)
CSCD 316 Practical Problem Solving (2, 2)¹
CSCD 340 Operating Systems (5)
CSCD 370 Graphical User Interface Programming (4)
CSCD 371 .NET Programming (4)
CSCD 372 Android Mobile Development (4)
CSCD 375 iOS Mobile Development (4)
CSCD 378 Web Application Development (4)
CSCD 379 .NET Web Application Development (4)
CSCD 407 Scientific Programming (4)
CSCD 416 3D Modeling and Animation II (4)
CSCD 417 3D Modeling and Animation III (4)
CSCD 418 3D Modeling and Animation IV (4)
CSCD 420 Automata (4)
CSCD 427 Advanced Database Management Systems (4)
CSCD 429 Data Mining (4)
CSCD 433 Advanced Computer Networks (4)
CSCD 434 Network Security (4)
CSCD 435 Principles of Programming Languages (4)
CSCD 437 Secure Coding (4)
CSCD 440 Advanced Operating Systems (4)
CSCD 443 Distributed Multiprocessing Environments (4)
CSCD 460 Advanced Architecture and Organization (4)
CSCD 461 Embedded Systems (4)
CSCD 467 Concurrent Systems (4)
CSCD 470 3D Computer Graphics Principles (4)
CSCD 471 Advanced 3D Computer Graphics Programming (4)
CSCD 474 Computer Games Development (4)
CSCD 480 Intelligent Systems (4)
CSCD 487 Human Computer Interface (4)
CSCD 495 Internship (up to two 4 credit internships are allowed)
CSCD 396, 398, 399, 3xx, 439, 496, 498, 499, 4xx (4) prior departmental approval of topic content is required.

Note: many of these elective courses have prerequisites.
Note: any course used as a requirement may not be used as an elective.
Note: CSCD 316 must be taken twice for 4 credits total to be used as an elective.

Required computer science credits 54 credits
Required option credits 20 credits
Required math credits 5 credits
Required philosophy credits 5 credits
Required elective credits 16–19 credits
Minimum total required credits for above major 100 credits

Note: students are encouraged to choose CMST 340 Intercultural Communications or CMST 314 Gender and Communications to fulfill their cultural and gender diversity requirements and/or CMST 440 Global Communications to fulfill their international studies requirement.

BACHELOR OF ARTS (BA)

Student Learning Outcomes for the BA in Computer Science, Game Development/Animation Option may be found at www.ewu.edu/csslo

GAME DEVELOPMENT/ANIMATION OPTION (101–104 CREDITS)
The Game Development/Animation Option focuses on the use of typical tools for developing computer games and animations. Like all of our degrees, it builds on substantial core material in general-purpose programming. Careers in the game development and animation industries are highly competitive. Job seekers in these industries should have a strong work ethic and may require artistic/story-telling skills beyond what the degree requires.

Note: two years of a single high school foreign language or one year of a single college level foreign language is required.

Required Computer Science Courses
CSCD 210 Programming Principles 1 (5)
CSCD 211 Programming Principles II (5)
CSCD 240 C and Unix Programming (5)
CSCD 300 Data Structures (5)
CSCD 320 Algorithms (4)
CSCD 327 Relational Database Systems (4)
CSCD 350 Computer Networks (4)
CSCD 349 Design Patterns (4)
CSCD 350 Software Engineering (4)
CSCD 488 Senior Project (5)
CSCD 490 Senior Capstone (5)

Choose one of the following courses
CSCD 370 Graphical User Interface Programming (4)
CSCD 371 .NET Programming (4)
CSCD 372 Android Mobile Development (4)
CSCD 373 iOS Mobile Development (4)

Pick one of the following groups of classes

Group A
CSCD 216 3D Modeling and Animation I (4)
CSCD 470 3D Computer Graphics Principles (4)
CSCD 471 Advanced 3D Computer Graphics Programming (4)
CSCD 474 Computer Games Development (4)
MATH 231 Linear Algebra (5)

Group B
ART 300 Drawing (5)
CSCD 216 3D Modeling and Animation I (4)
CSCD 416 3D Modeling and Animation II (4)
CSCD 417 3D Modeling and Animation III (4)
DESN 216 Digital Foundations (4)

Required MATH and PHIL Supporting Courses
MATH 301 Discrete Mathematics (5)
PHIL 212 Introduction to Ethics (5)

Elective Courses—four additional elective courses
CSCD 303 Computer and Information Security (4)
CSCD 305 C++ Programming (4)
CSCD 316 Practical Problem Solving (2, 2)¹
CSCD 340 Operating Systems (5)
CSCD 370 Graphical User Interface Programming (4)
CSCD 371 .NET Programming (4)
CSCD 372 Android Mobile Development (4)
CSCD 373 iOS Mobile Development (4)
CSCD 378 Web Application Development (4)
CSCD 379 .NET Web Application Development (4)
CSCD 409 Scientific Programming (4)
CSCD 418 3D Modeling and Animation IV (4)
CSCD 420 Automata (4)
CSCD 427 Advanced Database Management Systems (4)
CSCD 429 Data Mining (4)
CSCD 433 Advanced Computer Networks (4)
CSCD 434 Network Security (4)
CSCD 435 Principles of Programming Languages (4)
CSCD 437 Secure Coding (4)
CSCD 440 Advanced Operating Systems (4)
CSCD 443 Distributed Multiprocessing Environments (4)
CSCD 460 Advanced Architecture and Organization (4)
CSCD 461 Embedded Systems (4)
CSCD 467 Concurrent Systems (4)
CSCD 470 3D Computer Graphics Principles (4)
CSCD 471 Advanced 3D Computer Graphics Programming (4)
CSCD 474 Computer Games Development (4)
CSCD 480 Intelligent Systems (4)
CSCD 487 Human Computer Interface (4)
CSCD 495 Internship (up to two 4 credit internships are allowed)
CSCD 396, 398, 399, 3xx, 439, 496, 498, 499, 4xx (4) prior departmental approval of topic content is required.

Note: many of these elective courses have prerequisites.
Note: any course used as a requirement may not be used as an elective.
Note: CSCD 316 must be taken twice for 4 credits total to be used as an elective.

Total required computer science credits 54 credits
Required group A or B 21 credits
Required math credits 5 credits
Required philosophy credits 5 credits
Required elective credits 16–19 credits
Minimum total required credits for above major 101 credits

Note: students are encouraged to choose CMST 340 Intercultural Communications or CMST 314 Gender and Communications to fulfill their cultural and gender diversity requirements and/or CMST 440 Global Communications to fulfill their international studies requirement.

BACHELOR OF SCIENCE (BS)

Student Learning Outcomes for the BS in Computer Information Systems may be found at www.ewu.edu/csslo

COMPUTER INFORMATION SYSTEMS MAJOR (110–114 CREDITS)
Our Computer Information Systems program provides significant formal training in database and web programming, unique internship opportunities, and team development of information system projects. The program is designed to help prepare you to realize the potential of information systems. You can enjoy a career as a systems analyst, database administrator, web developer or software engineer.

Required Computer Science Courses
CSCD 210 Programming Principles 1 (5)
CSCD 211 Programming Principles II (5)
CSCD 240 C and Unix Programming (5)
CSCD 300 Data Structures (5)
CSCD 320 Algorithms (4)
CSCD 327 Relational Database Systems (4)
CSCD 330 Computer Networks (4)
CSCD 340 Operating Systems (5)
CSCD 349 Design Patterns (4)
CSCD 350 Software Engineering (4)
CSCD 488 Senior Project (5)
CSCD 490 Senior Capstone (5)

Choose one of the following courses
CSCD 370 Graphical User Interface Programming (4)
CSCD 371 .NET Programming (4)
CSCD 372 Android Mobile Development (4)
CSCD 373 iOS Mobile Development (4)

Choose either CSCD 378 or CSCD 379
CSCD 378 Web Application Development (4)
CSCD 379 .NET Web Application Development (4)

Choose either CSCD 427 or CSCD 429
CSCD 427 Advanced Database Management Systems (4)
CSCD 429 Data Mining (4)

Required MATH and PHIL Supporting Courses
MATH 301 Discrete Mathematics (5)
MATH 380 Elementary Probability and Statistics (5)
PHIL 212 Introduction to Ethics (5)

Select one of the following areas of interest
Biochemistry (students should choose CHEM 151 and CHEM 152 for their Natural Science General Education Requirement)
CHEM 153 General Chemistry III (5)
CHEM 351 Organic Chemistry I (4)
CHEM 352 Organic Chemistry II (4)
CHEM 353 Organic Chemistry III (3)
CHEM 480 Biochemistry (5)

Biography/Genetics (students should choose BIOL 171, BIOL 172 and BIOL 270 for their Natural Science General Education Requirement)
BIOL 173 Biology III (5)
BIOL 310 Fundamentals of Genetics (5)
CHEM 151 General Chemistry I (5)
CHEM 152 General Chemistry II (5)
CHEM 153 General Chemistry III (5)

Business and Economics
ACCT 251 Principles of Financial Accounting (5)
ACCT 252 Managerial Accounting (4)
ECON 200 Introduction to Macroeconomics (5)
or ECON 201 Introduction to Macroeconomics (5)
FINC 335 Financial Management (4)
OPSM 330 Operations Management (4)

Note: ECON 200 and ECON 201 together count as one GECR.

Design
DEN 100 Drawing for Communication (5)
DEN 216 Digital Foundations (4)
DEN 253 Visual Communications Design I (5)
DEN 308 Web Design I (4)
DEN 378 Web Design II (4)

Geographic Information Systems
GEOG 323 GIS for Environmental Sciences (3)
GEOG 328 Geographic Information Systems I (5)
GEOG 427 Desktop Mapping (5)
GEOG 428 Geographic Information Systems II (5)
GEOG 429 Geographic Information Systems III (5)
GEOG 493 Geographic Information Systems Portfolio (2)

Health Services Administration
HSAD 300 Health Care Organization and Administration (4)
HSAD 310 Health Care Supervision (4)
HSAD 322 Health Care Technology (4)
HSAD 410 Health Law, Regulation and Ethics (4)
HSAD 435 Process Improvement in Health Care (4)

Elective Courses: two additional electives
CSCD 303 Computer and Information Security (4)
CSCD 305 C++ Programming (4)
CSCD 310 Practical Problem Solving (2, 2)
CSCD 340 Design Patterns (4)
CSCD 370 Graphical User Interface Programming (4)
CSCD 371 .NET Programming (4)
CSCD 372 Android Mobile Development (4)
CSCD 373 iOS Mobile Development (4)
CSCD 378 Web Application Development (4)
CSCD 379.NET Web Application Development (4)
CSCD 409 Scientific Programming (4)
CSCD 416 3D Modeling and Animation II (4)
CSCD 417 3D Modeling and Animation III (4)
CSCD 418 3D Modeling and Animation IV (4)
CSCD 420 Automata (4)
CSCD 427 Advanced Database Management Systems (4)
CSCD 429 Data Mining (4)
CSCD 433 Advanced Network Concepts (4)
CSCD 434 Network Security (4)
CSCD 435 Principles of Programming Languages (4)
CSCD 437 Secure Coding (4)
CSCD 443 Distributed Multiprocessing Environments (4)
CSCD 460 Advanced Architecture and Organization (4)
CSCD 461 Embedded Systems (4)
CSCD 467 Concurrent Systems (4)
CSCD 470 3D Computer Graphics Principles (4)
CSCD 471 Advanced 3D Computer Graphics Programming (4)
CSCD 474 Computer Games Development (4)
CSCD 480 Intelligent Systems (4)
CSCD 487 Human Computer Interface (4)
CSCD 495 Internship (up to 2 credit internships are allowed)
CHEM 396, 398, 399, 3xx, 439, 496, 498, 499, 4xx (4)

Note: any course used as a requirement may not also be used as an elective.

Note: many of these elective courses have prerequisites.

Note: CSCD 316 must be taken twice for 4 credits total to be used as an elective.

Required computer science 67 credits
Required mathematics credits 10 credits
Required philosophy credits 5 credits
Required area of interest credits 20–25 credits
+Biochemistry 21 credits
+Biological/Genetics 25 credits
+Business and Economic 22 credits
+Design 22 credits
+Geographic Information Systems 23 credits
+Health Services Administration 22 credits
Required elective credits 8 credits

Minimum total required credits for above major 110 credits

Note: students are encouraged to choose CMST 340 Intercultural Communications or CMST 314 Gender and Communications to fulfill their cultural and gender diversity requirement and/or CMST 340 Global Communications to fulfill their international studies requirement.

BACHELOR OF SCIENCE (BS)
Student Learning Outcomes for the BS in Computer Science may be found at www.ewu.edu/csslo

COMPUTER SCIENCE MAJOR (136–140 CREDITS)
The Bachelor of Science degree in Computer Science is accredited by the Computing Accreditation Commission of ABET, 111 Market Place, Suite 1050, Baltimore, MD 21202, 410.347.7700.

Our traditional computer science degree provides extensive preparation in both the theoretical and practical aspects of computer science. It will prepare you for a variety of careers in computing or for additional study at the graduate level. In this program you will study both general purpose programming and programming for specialized purposes and environments. In addition, you will learn about algorithms, performance analysis, networks, computer architectures, information systems and software engineering. You will also work on a realistic project in a team environment. The program includes a variety of advanced courses that allow you to tailor your degree to your specific interests.

Required Computer Science Courses
CSCD 210 Programming Principles I (5)
CSCD 211 Programming Principles II (5)
CSCD 240 C and Unix Programming (5)
CSCD 260 Architecture and Organization (4)
CSCD 300 Data Structures (5)
CSCD 320 Algorithms (4)
CSCD 327 Relational Database Systems (4)
CSCD 330 Computer Networks (4)
CSCD 340 Operating Systems (5)
CSCD 349 Design Patterns (4)
CSCD 350 Software Engineering (4)
CSCD 488 Senior Project (5)
CSCD 490 Senior Capstone (5)

Choose one of the following courses
CSCD 370 Graphical User Interface Programming (4)
CSCD 371 .NET Programming (4)
CSCD 372 Android Mobile Development (4)
CSCD 373 iOS Mobile Development (4)
Advanced Coursework—select two from the following list of courses
CSCD 409 Scientific Programming (4)
CSCD 420 Automata (4)
CSCD 427 Advanced Database Management Systems (4)
CSCD 429 Data Mining (4)
CSCD 435 Advanced Computer Networks (4)
CSCD 434 Network Security (4)
CSCD 440 Advanced Operating Systems (4)
CSCD 443 Distributed Multiprocessing Environments (4)
CSCD 460 Advanced Architecture and Organization (4)
CSCD 461 Embedded Systems (4)
CSCD 462 Embedded Real-Time Control (4)
CSCD 467 Concurrent Systems (4)
CSCD 470 3D Computer Graphics Principles (4)
CSCD 471 Advanced 3D Computer Graphics Programming (4)
CSCD 480 Intelligent Systems (4)

Required EENG, MATH and PHIL Supporting Courses
EENG 160 Digital Circuits (4)
MATH 161 Calculus I (5)
MATH 162 Calculus II (5)
MATH 231 Linear Algebra (5)
MATH 301 Discrete Math (5)
MATH 380 Elementary Probability and Statistics (5)
PHIL 212 Introduction to Ethics (5)

Required Laboratory Science Courses, choose one of the following sequences
Biology
BIOI 171 Biology I (5)
BIOI 172 Biology II (5)
BIOI 270 Biological Investigation (3)

Chemistry
CHEM 151 General Chemistry I (5)
CHEM 152 General Chemistry II (5)

Geology
GEOL 120 Physical Geology—The Solid Earth (5)
GEOL 121 Physical Geology—Surface Processes (5)

Physics
PHYS 151 General Physics I (4)
PHYS 152 General Physics II (4)

and two of the following:
PHYS 161 Mechanics Laboratory (1)
PHYS 162 Heat and Optics Laboratory (1)
PHYS 163 Instrumentation Lab I (1)
PHYS 164 Instrumentation Lab II (1)

Natural Science Breadth
Any 5 credit course that satisfies a natural science GECR in a discipline other than that chosen for the sequence above.

Elective Courses
Three additional elective courses.
Select at least one course from Group A and at least one course from Group B.

Group A
CSCD 303 Computer and Information Security (4)
CSCD 305 C++ Programming (4)
CSCD 316 Practical Problem Solving (2, 2)∗
CSCD 370 Graphical User Interface Programming (4)
CSCD 371 .NET Programming (4)
CSCD 372 Android Mobile Development (4)
CSCD 375 iOS Mobile Development (4)
CSCD 378 Web Application Development (4)
CSCD 379 .NET Web Application Development (4)
CSCD 416 3D Modeling and Animation II (4)†
CSCD 417 3D Modeling and Animation III (4)
CSCD 418 3D Modeling and Animation IV (4)
CSCD 435 Principles of Programming Languages (4)
CSCD 437 Secure Coding (4)
CSCD 474 Computer Games Development (4)
CSCD 487 Human Computer Interface (4)
CSCD 495 Internship (up to 4 credit internships are allowed)

Any course from the advanced coursework list not used to satisfy the advanced coursework requirement.
CSCD 396, 398, 399, 3xx, 439, 496, 498, 499, 4xx (4) prior departmental approval of topic content is required.

Group B—must choose at least one course from the following list
BIOL 173 Biology III (5)
CHEM 153 General Chemistry III (5)
GEOL 122 Historical Geology (5)
MATH 163 Calculus III (5)
MATH 241 Calculus IV (5)
MATH 370 Survey of Geometries (5)
MATH 401 Advanced Formal Logic (5)
PHIL 301 Introduction to Formal Logic (5)
PHYS 153 General Physics III (4)

And one of the following not previously taken
PHYS 161 Mechanics Laboratory (4)
PHYS 162 Heat and Optics Laboratory (1)
PHYS 163 Instrumentation Lab I (1)
PHYS 164 Instrumentation Lab II (1)

Other course with prior approval of the department required.

Note: any course used as a requirement may also be used as an elective.
Note: many of these elective courses have prerequisites.

Note: ∗CSCD 316 must be taken twice for 4 credits total to be used as an elective.

Required computer science credits
63 credits

Required advanced computer science credits
8 credits

Required engineering credits
4 credits

Required mathematics credits
25 credits

Required philosophy credits
5 credits

Required lab science credits
10–13 credits

Required computer science electives
4 credits

Required math/science electives
4 credits

Additional required electives from group A or B
5 credits

Minimum total required credits for above major
133 credits

Note: students are encouraged to choose CMST 340 Intercultural Communications or CMST 314 Gender and Communications to fulfill their cultural and gender diversity requirement and/or CMST 440 Global Communications to fulfill their international studies requirement.

MINORS
Students in nearly any major may wish to choose one of the minors below, which provide basic instruction in computing that is useful in a wide variety of fields.

Note: students must earn a grade ≥ 2.0 in each required computer science course and a grade ≥ 2.0 in each supporting course in the minors.

3D ANIMATION MINOR (16 CREDITS)
The minor provides the skills necessary to meet an increasing demand for 3D modeling and animation developers. Included is the study of 3D modeling, 3D animation, character animation, animation scripting and advanced animation tools.

Required Courses (16 credits)
CSCD 216 3D Modeling and Animation I (4)
CSCD 416 3D Modeling and Animation II (4)
CSCD 417 3D Modeling and Animation III (4)
DESN 216 Digital Foundations (4)

Minimum total credits for above minor
16 credits

COMPUTER APPLICATIONS MINOR (28–30 CREDITS)
The minor will give you knowledge of a variety of computer applications. After completion of the core computer literacy courses, you select additional elective courses covering computer applications. Through choice of elective courses you can explore a variety of topics such as educational software, web page development, art, business, mathematics and technology applications.

Required Courses (12 credits)
CPLA 120 Computer Applications Literacy (5)
CPLA 121 Intermediate Computer Applications Literacy (5)
CPLA 215 Internet and WWW Basics (2)

Electives—choose from the following courses (16–18 credits)
ART 303 Digital Art I (5)
ART 403 Digital Art II (5)
CSCD 411 Multimedia Techniques (4)
DESN 263 Visual Communication Design 1 (5)
DESN 360 Publication Design (4)
DESN 368 Web Design 1 (4)
MENG 217 3D Parametric Computer Aided Design (4)
MISC 331 Information Technology in Business (4)
MISC 374 Spreadsheet Modeling for Business Applications (4)

Additional 3–5 credit upper division courses approved by the advisor for this minor.

Minimum total credits for above minor
28 credits
COMPUTER INFORMATION SYSTEMS MINOR (23 CREDITS)
Demand for computer skills, including database management and design, make this minor a good choice in support of a variety of majors.

Note: advancement programming exam clearance is required for CSCD 427 and CSCD 429.

Required Courses (19 credits)
- CSCD 210 Programming Principles I (5)
- CSCD 211 Programming Principles II (5)
- CSCD 300 Data Structures (5)
- CSCD 327 Relational Database Systems (4)

Elective: choose one of the following (4 credits)
- CSCD 427 Advanced Database Management Systems (4)
- CSCD 429 Data Mining (4)

Minimum total credits required for above minor 23 credits

COMPUTER SCIENCE PROGRAMMING MINOR (28 CREDITS)
This minor provides a solid core of computer science knowledge in support of other fields of inquiry and employment.

Required Courses (20 credits)
- CSCD 210 Programming Principles I (5)
- CSCD 211 Programming Principles II (5)
- CSCD 240 C and Unix Programming (5)
- CSCD 300 Data Structures (5)

Electives (8–10 credits)
Select two courses from approved CSCD courses (at least 8 credits). Prior departmental approval required. Advancement Programming Exam clearance may be required.

Minimum total credits required for above minor 28 credits

GAME DEVELOPMENT MINOR (28 CREDITS)
This minor provides a strong computer programming foundation followed by courses that emphasize game programming skills.

Required Courses (28 credits)
- CSCD 210 Programming Principles I (5)
- CSCD 211 Programming Principles II (5)
- CSCD 240 C and Unix Programming (5)
- CSCD 300 Data Structures (5)
- CSCD 474 Computer Games Development (4)

Minimum total credits required for above minor 28 credits

WEB APPLICATION DEVELOPMENT MINOR (26–31 CREDITS)
This minor provides a strong computer programming foundation followed by courses that emphasize design and programming skills needed to create and maintain websites.

Required Courses (22 credits)
- CSCD 210 Programming Principles I (5)
- CSCD 211 Programming Principles II (5)
- CSCD 327 Relational Database Systems (4)
- DESN 216 Digital Foundations (4)
- DESN 368 Web Design I (4)

Elective—choose one of the following (4 credits)
- CSCD 378 Web Application Development (4)
- CSCD 379 .NET Web Application Development (4)

Minimum total credits required for above minor 26 credits

GRADUATE PROGRAMS
MASTER OF SCIENCE IN COMPUTER SCIENCE
Dan Tappan, Program Advisor
315 CEB 509.359.7093 dtappan@ewu.edu

Student Learning Outcomes—for the Master’s in Computer Science may be found at www.ewu.edu/csslo

The Master’s Program in Computer Science has been designed to provide opportunities for professional growth in this rapidly changing field. The program strives to provide a balance between practical applications-oriented content and a theoretical framework for continued learning.

Required: continuous enrollment in at least 2 credits per term during the academic year.

Core requirements (25 credits)
This coursework provides core knowledge in the areas of algorithms, database systems, software engineering, operating systems and research methods.
- CSCD 501 Advanced Algorithms (5)
- CSCD 506 Research Methods in Computer Science (5)

Must be taken in the first year of the program.
- CSCD 524 Advanced Software Engineering (5)
- CSCD 525 Advanced Database Management Systems (5)
- CSCD 540 Advanced Operating Systems (5)

Electives (16 credits), at least one elective must be at the 500-level. This coursework provides the student an opportunity to take courses specialized to their particular area(s) of interest. Any 400-level or non-Computer Science course must be approved by the Department of Computer Science graduate coordinator or the student’s graduate committee chair. CSCD 695 cannot be used to satisfy any portion of these elective requirements. The courses CSCD 538, Topics in Computer Hardware and CSCD 539 Topics in Computer Science, may each apply more than once, provided distinct topics are studied.

Thesis, Project or Workplace Project (8 credits minimum)
The student is expected to expand their knowledge with a published thesis or to apply their knowledge to a significant project. Projects may be work-related. The thesis or project is defended in a final oral examination of the student’s work.

Thesis option: CSCD 600 (at least 8)
Project option: CSCD 601 (at least 8)
Workplace project option: CSCD 595 (at least 4)+ CSCD 602 (4)

Total credits for the above master’s degree 49 credits

Application/Admission Requirements—the petitioner must:
1. meet all Eastern Washington University requirements for admission to graduate study;
2. complete and submit the online application for graduate school (www.ewu.edu/grad/application-procedures);
3. submit a completed departmental questionnaire (access.ewu.edu/computer-science/degree-information/mscs);
4. supply transcripts showing completion of coursework covering the following areas:
   - Fundamental Programming (See CSCD 210, CSCD 211)
   - C Programming & Unix Operating System (See CSCD 240)
   - Data Structures, Algorithms: (See CSCD 300, CSCD 320)
   - Relational Database Systems: (See CSCD 327)
   - Operating Systems (See CSCD 340)
   - Design Patterns and Software Engineering (See CSCD 349, CSCD 350)
   - Discrete Mathematics (See MATH 301)
5. submit GRE scores unless your grade point average in the following readiness courses (or their equivalents) is ≥3.4, including all retakes:
   - CSCD 320 Algorithms (4)
   - CSCD 327 Relational Database Systems (5)
   - CSCD 340 Operating Systems (5)
   - CSCD 350 Software Engineering (4)

If you are not taking the GRE, it is important that you indicate all grades received in these courses, or their equivalents, on your departmental questionnaire in order to prevent delays in the processing of your application.
Provide a résumé:
- if you are not a graduate of a Computer Science degree from EWU, provide two letters of recommendation, at least one from a computer science instructor or equivalent;
- submit a cover letter discussing your reasons for pursuing a master’s degree, the focus of knowledge you want to explore, and an evaluation of your ability to complete this degree;
- if you are an international student, provide a TOEFL score of 580 or greater (237 CBT, 92 iBT).

Note: 1. Applicants who have not completed the readiness courses may do so as post-baccalaureate students but may also petition for probationary graduate admission when they have less than a full-time load of readiness courses to complete.

Note: 2. Students needing to satisfy the requirements for CSCD 320 Algorithms, CSCD 340 Operating Systems or CSCD 350 Software Engineering at EWU will first need to pass the Computer Science Advancement Programming Exam.

Note: 3. Elective graduate courses may have prerequisites beyond the readiness requirements above and the student is responsible for mastering prerequisites before taking such courses. If the prerequisite course is not at the senior level it cannot be counted towards the graduate degree.

Computer Literacy Courses

Terms offered: If no terms are indicated, check with the department or EagleNET.

Course fees will be required on many CPLA courses.

CPLA 100  Computer Literacy I (1)  Notes:
- graded Pass/No Credit; passing this course gives clearance of Computer Literacy Part I; does not count toward the 180 credit requirement.
- satisfies university basic skills, computer literacy.
- This course is an introduction to computer concepts. Hardware, software and operating systems are presented on both Windows and Mac platforms. An introduction to word processing, presentation software and an introduction to basic Internet use are provided.

CPLA 101  Computer Literacy II (1)  Notes:
- passing the literacy exam at the end of this course gives clearance of Computer Literacy Part II.
- prerequisite: CPLA 100 or Computer Literacy Part I clearance.
- satisfies university competencies, computer literacy.
- Students will be introduced to and develop skills in spreadsheets, databases and the process of locating informational and reference materials using simple and refined Internet searches. Students will explore societal issues of security, privacy, viruses and computer crime.

CPLA 120  Computer Applications Literacy (5)  Note:
- this course includes preparation for and testing of Computer Literacy I and II so that students may satisfy computer literacy requirements by taking this course and passing the literacy tests.
- This course introduces students to fundamental computer concepts designed to give an overview of computers, the Internet and The World Wide Web. Students will develop knowledge and skills in word processing, presentation software, spreadsheets, databases, web page creation and locating informational and reference materials using simple and refined Internet searches. No previous computer background is assumed.

CPLA 121  Intermediate Computer Applications Literacy (5)  Prerequisites:
- CPLA 100 and 101 or CPLA 120.
- A study of popular microcomputer software including, but not limited to word processing, electronic spreadsheet, database, desktop publishing, presentation graphics, Internet and Web tools. Course uses the Windows environment.

CPLA 199  Directed Study (1–5)  Prerequisite:
- permission of the instructor, department chair and college dean.

CPLA 215  Internet and WWW Basics (2)  Prerequisite:
- Computer Literacy II clearance.
- Investigation of the Internet and The World Wide Web (WWW). Web searching and research techniques on the Web are presented. Each student will create a home page. Use of electronic mail, mailing lists, news readers and FTP will be explored. Issues associated with the Internet and WWW will be discussed including privacy and social impact. Projects utilizing the Internet and WWW are major parts of the course.

CPLA 296  Experimental Course (1–5)  Prerequisite:
- permission of the instructor, department chair and college dean.

CPLA 499  Directed Study (1–5)  Prerequisite:
- permission of the instructor, department chair and college dean.

CPLA 601  Project Report (2–16)  Prerequisite:
- permission of the instructor, department chair and college dean.

A research study in lieu of a bound thesis conducted as partial fulfillment of a master’s degree under the direction of a graduate committee.
COMPUTER SCIENCE continued

Computer Science Courses

Terms offered: if not indicated, check with the department or EagleNET.
Course fees will be required on many CSCD courses.

CSCD 110 Introduction to Programming (5) Students learn fundamental programming concepts, programming environment topics and current technologies in computing. Programming concepts include structure and design using pseudo-code, basic syntax, variables, arithmetic, decisions, repetition, input and output. Programming environment topics include editor use, saving, running and debugging. Programming projects are required.

CSCD 196 Experimental Course (1–5)
CSCD 199 Directed Study (1–5)
Prerequisite: permission of the instructor, department chair and college dean.

CSCD 210 Programming Principles I (5)
Prerequisite: prior programming experience HIGHLY RECOMMENDED.
This course covers the concepts and practices of information representation, computer algorithms, hardware organization and computer program design and implementation. Students write, run, debug, analyze and evaluate computer programs. Topics include primitive data types, number systems, file I/O classes, control structures, method design and usage, array-sorting and searching algorithms. Programming projects are required.

CSCD 211 Programming Principles II (5)
Prerequisite: CSCD 210 with a grade ≥ 2.5
This course continues coverage of concepts introduced in Programming Principles I. Topics include 2D arrays, recursion, data abstraction, polymorphisms, inheritance, interfaces, inner classes, abstract classes, object cloning, file I/O, exception handling and linked lists. Programming projects are required.

CSCD 216 3D Modeling and Animation I (4)
This course includes the fundamental concepts and implementation of 3D animation using current 3D modeling and animation software. Topics include basics of modeling, texturing and animation. This course requires 3D projects.

CSCD 240 C and Unix Programming (5)
Prerequisite: CSCD 211 with a grade ≥ 2.5 or concurrent enrollment.
This course includes program development tools of the UNIX operating system and syntax and programming techniques of the C language in that environment. UNIX topics include interactive shells, common text Editors, utility programs, file system structure, library and operating system calls and system programming. C topics include data types, structures, pointers and pointer arithmetic, arrays, linked lists and function design and use. Programming projects are required.

CSCD 255 C Programming for Engineers (5)
Prerequisite: MATH 141 or math proficiency.
This course is an introduction to the C language in the context of beginning computer science concepts and engineering practices. Students will write, run, debug, analyze and evaluate C programs. Topics include primitive data types, number systems, file I/O, control structures, function design and usage, 1D arrays, sorting, searching and pointers. Programming projects are required.

CSCD 260 Architecture and Organization (4)
Prerequisites: CSCD 240 with a grade ≥ 2.5, EEEN 160 with a grade ≥ 2.5.
This course covers fundamentals of digital computer design and microcomputer systems. Topics include number systems, Boolean algebra, basic digital circuit analysis and the instruction set of a microprocessor. Homework assignments will include use of current software for the design, analysis and simulation of digital circuits, assembly language programming emphasizing I/O device access and features that support high level languages. Programming projects are required.

CSCD 298 Seminar (1–5)
CSCD 299 Special Studies (1–5)
Prerequisite: permission of the instructor, department chair and college dean.
Subjects studied vary according to student and faculty interest.

CSCD 300 Data Structures (5)
Prerequisites: CSCD 211 with a grade ≥ 2.5, MATH 107 or MATH 141 with a grade ≥ 2.6.
This course covers fundamental abstract concepts of data structures as well as their implementation in a programming language. Topics include linked lists, stacks, queues, hashing, recursion, complexity analysis, binary search trees and heaps. Programming projects with formal documentation are required.

CSCD 303 Computer and Information Security (4)
Prerequisite: computer literacy clearance.
This course covers fundamentals of computing security, including threat types, how computers become infected with viruses and malware, how to avoid viruses and malware, and how to secure your computers and information stored on them. Possible topics include: operating system security, email security, Internet security, virus and spyware scanners, browser tools, firewalls and other defensive techniques. The course includes hands-on practice with security tools and techniques.

CSCD 305 C++ Programming (4)
Prerequisite: CSCD 240 with a grade ≥ 2.5 or CSCD 211 with a grade ≥ 2.5 and CSCD 255 with a grade ≥ 2.5.
This course teaches the C++ programming language. Topics include basic syntax, pointers, memory management, classes, inheritance and polymorphism, object oriented design and implementation, template library usage, name spaces, memory management and graphical user interface (GUI) programming. Programming projects are required.

CSCD 310 Discrete Structures (4)
Prerequisites: CSCD 300 with a grade ≥ 2.5, EEEN 160 with a grade ≥ 2.0, MATH 301 with a grade ≥ 2.0, advancement programming exam clearance.
This course covers fundamental mathematical aspects of computer science with emphasis on data structures and algorithmic implementation. Topics include logic, methods of proof, set theory, relations and functions, numerical representations, cardinality, computability, combinatorics, discrete probability, computational complexity and graph theory.

CSCD 316 Practical Problem Solving (2)
Note: repeatable up to twice.
Prerequisite: CSCD 300 with a grade ≥ 2.5.
This course explores problem solving techniques. Topics covered may include: useful strategies for the ACM programming contest, strings and their manipulation, sorting strategies, number manipulation, combinations and theory, backtracking; graph algorithms and traversal; dynamic programming; geometry; and grids. Emphasis will be on understanding algorithms and recognizing which algorithm applies to a given problem. Programming projects are required.

CSCD 320 Algorithms (4)
Prerequisites: CSCD 300 with a grade ≥ 2.5, MATH 301 with a grade ≥ 2.0, advancement programming exam clearance.
This course studies data structures and algorithms, with emphasis on algorithmic strategies such as dynamic programming and emphasis on non-linear data structures such as trees and graphs. Programming projects are required.

CSCD 327 Relational Database Systems (4)
Prerequisites: MATH 301 with a grade ≥ 2.0 (or math proficiency) and CSCD 211 with a grade ≥ 2.5 or CSCD 255 with a grade ≥ 2.5.
This course covers the basic concepts in relational databasesystems, including data manipulation language and data definition language. Relational modeling will be covered in depth together with an overview of SQL, Relational Algebra, Entity-Relationship Model and its role in application development.

CSCD 330 Computer Networks (4)
Prerequisites: CSCD 300 with a grade ≥ 2.5, advancement programming exam clearance.
This course covers fundamental concepts, protocol mechanisms and programming skills for computer networks. It includes a technical overview of telecommunication media and fundamental protocols for the Internet such as ISO/OSI layers, Ethernet, collision detection and channel allocation. Programming projects are required.

CSCD 340 Operating Systems (5)
Prerequisites: CSCD 240 with a grade ≥ 2.5, advancement programming exam clearance.
This course covers major concepts of computer operating systems. Topics may include historical development of operating systems, system calls, resource allocation, process and thread management, basic memory management, and file systems. Programming projects are required.

CSCD 349 Design Patterns (4)
Prerequisites: CSCD 300 with a grade ≥ 2.5, advancement programming exam clearance.
This course involves program implementation of object oriented design patterns that solves real world software design problems. Programming projects and group projects are required.

CSCD 350 Software Engineering (4)
Prerequisites: CSCD 349 with a grade ≥ 2.5 and advancement programming exam clearance.
This course covers formal algorithms and tools for conceiving, understanding, analyzing, designing, building, testing, deploying, documenting and maintaining large software systems. Topics may include software lifecycle models; project and team management; verification and validation techniques; legal and ethical issues; practical development and application of skills in critical-thinking, communication and professionalism. A major team-based software development project is required.

CSCD 370 Graphical User Interface Programming (4)
Prerequisites: CSCD 300 with a grade ≥ 2.5, advancement programming exam clearance.
This course explores programming techniques for the production of graphical user interfaces. Event driven programming is covered in detail. Topics include event handling, windows and dialogs, GUI widgets such as menus, toolbars, buttons, sliders, combo boxes, lists and scrolling. Multi-threading as it applies to GUI programming is also introduced. Programming projects are required.
CSCD 371 .NET Programming (4)  
Prerequisite: CSCD 300 with a grade ≥2.5, advancement programming exam clearance.  
This course introduces .NET Programming and the .NET framework. Emphasis will be placed on understanding the syntactical features of the language and how effectively use the design of the language in conjunction with the .NET Framework. Topics include .NET fundamentals, .NET assemblies, language fundamentals, object oriented design and programming, delegates and events, threading, serialization, database connectivity, windows and dialogs, and GUI components. Programming projects are required.

CSCD 372 Android Mobile Development (4)  
Prerequisite: CSCD 300 with a grade ≥2.5, advancement programming exam clearance.  
This course introduces Android Programming and the Android framework. Emphasis is placed on understanding the syntactical features of the language and how to effectively use the design of the language in conjunction with mobile development. Topics include event handling, windows and dialogs, and GUI components. Programming projects are required.

CSCD 373 iOS Mobile Development (4)  
Prerequisite: CSCD 300 with a grade ≥2.5, advancement programming exam clearance.  
This course introduces iOS programming and the Apple framework. Emphasis is placed on understanding the syntactical features of the language and how to effectively use the design of the language in conjunction with mobile development. Topics include event handling, windows and dialogs, and GUI components. Programming projects are required.

CSCD 378 Web Application Development (4)  
Prerequisites: CSCD 327 with a grade ≥2.5, DESN 368 or XHTML/HTML knowledge (highly recommended) or permission of the instructor.  
This course examines the fundamental principles and techniques associated with the development of multi-tier web applications. Topics include web standards, portability and usability. Programming projects are required.

CSCD 386 Sound Spaces (3)  
Cross-listed: MUSC 386  
Prerequisite: DESN 385  
CSCD/MUSC 386 is a project-oriented course for designing, building, composing and performing with new instruments. Students will be encouraged to collaborate in the learning process and share their knowledge and experiences. The course is interdisciplinary in nature. Ideally the class would consist of students with backgrounds in music, programming, and engineering.

CSCD 395 Internship (1–10)  
Note: graded Pass/Fail.  
Prerequisite: permission of the instructor, department chair and college dean.

CSCD 396 Experimental Course (1–5)  
CSCD 397 Workshops, Short Courses, Conferences (1–5)  
CSCD 398 Seminar (2–5)  
CSCD 399 Directed Study (1–5)  
Prerequisite: permission of the instructor, department chair and college dean.

CSCD 402 Computing Ethics (4)  
Prerequisite: senior standing.  
This course will examine the uses of computing technologies from a socio-cultural perspective, including the impacts of information systems on individuals, organizations, and society and future directions in technology and computing are tending to move us.

CSCD 409 Scientific Programming (4)  
Prerequisites: MATH 161 with a grade ≥2.0 and MATH 251 with a grade ≥2.0 or MATH 301 with a grade ≥2.0.  
This course provides an introduction to scientific computing in a programmable mathematics-oriented environment such as Matlab or Octave. Topics include programming constructs, data visualization, solutions to linear systems of equations and algebraic approaches to root-finding, signal processing, interpolation and optimization. Programming projects are required.

CSCD 411 Multimedia Techniques (4)  
Prerequisites: CSCD 300 with a grade ≥2.5 and advancement programming exam clearance or permission of instructor.  
The theory and creation of multimedia using professional software is covered. This course stresses the appropriate development of a user interface. Several programming projects and research will be required.

CSCD 414 Multimedia Programming (4)  
Prerequisites: CSCD 411 with a grade ≥2.5 or permission of instructor.  
This course studies object-oriented programming for multimedia. Students will write object-oriented programs that work with web servers and databases to create rich Internet applications. Programming projects are required.

CSCD 416 3D Modeling and Animation II (4)  
Prerequisites: CSCD 216 with a grade ≥2.5.  
This course covers computer 3D modeling and animation, including creation of aesthetic and technical work by manipulating light, surface materials, soft body dynamics and other features. Topics include photorealism, spline surface modeling, character development, lighting and camera techniques. This course requires projects.

CSCD 417 3D Modeling and Animation III (4)  
Prerequisite: CSCD 416 with a grade ≥2.5.  
This course studies advanced 3D modeling, animal as well as organic, including creation of characters and creatures that come alive. Topics include organic modeling of character forms, analysis of character movement and 3D scripting. Programming projects are required.

CSCD 418 3D Modeling and Animation IV (4)  
Prerequisite: CSCD 417 with a grade ≥2.5.  
This course studies extensions of advanced 3D modeling, animation theory and application including further advanced 3D animation concepts. Topics addressed will include lip synchronization, facial expressions and 3D scripting. This course requires 3D projects.

CSCD 420 Automata (4)  
Prerequisites: MATH 301 with a grade ≥2.0 or MATH 225 with a grade ≥2.0 or permission of instructor. Some prior programming experience is recommended.  
This course will examine the theory of the algebraic, structural and logical properties of sequential machines. Projects are required.

CSCD 427 Advanced Database Management Systems (4)  
Prerequisite: CSCD 327 with a grade ≥2.5, advancement programming exam clearance.  
This is an in-depth study of relational DBMSs and other selected database systems. Possible topics include database recovery, concurrency control, transaction, management, distributed databases, parallel databases and various NoSQL database systems.

CSCD 429 Data Mining (4)  
Prerequisite: CSCD 320 with a grade ≥2.5, CSCD 327 with a grade ≥2.5, advancement programming exam clearance.  
Data mining is the process of automatic discovery of patterns, changes, associations and anomalies in massive databases. CSCD 429 provides an introduction to the main topics in data mining and knowledge discovery, including: data preparation for knowledge discovery, frequent pattern and association mining, classification and cluster analysis.

CSCD 433 Advanced Computer Networks (4)  
Prerequisites: CSCD 330 with a grade ≥2.5, advancement programming exam clearance.  
This course will cover design, implementation, analysis and evaluation of networks. Topics include protocol mechanisms, advanced network architecture, network algorithms, network control, network simulation and performance analysis. Programming assignments are required.

CSCD 434 Network Security (4)  
Prerequisites: CSCD 330 with a grade ≥2.5, advancement programming exam clearance.  
This course explores practical topics in network security. Topics include policy and mechanisms; malicious code; intrusion detection, prevention, response; cryptographic and protocols for privacy and integrity. This course emphasizes the trade-offs among risks of misuse, cost of prevention and social issues. Concepts are implemented in programming assignments and comprehensive projects.

CSCD 435 Principles of Programming Languages (4)  
Prerequisites: CSCD 300 with a grade ≥2.5, advancement programming exam clearance.  
This course is a study and comparison of programming languages by evolution, formal specifications, structures, features and application domains. Implementation of syntax and semantics and program run-time behavior for several languages will be considered. Programming projects required and presentations may be required.

CSCD 437 Secure Coding (4)  
Prerequisites: CSCD 300 with a grade ≥2.5, CSCD 240 with a grade ≥2.5, advancement programming exam clearance.  
This course will introduce a variety of topics of concern to programmers when writing code. It will examine concepts that apply to programming in the large as well as specific topics such as buffer overflows. C and C++ code will be examined. Written assignments, coding assignments and a team project are required.

CSCD 439 Topics in Computer Science (2–5)  
Prerequisites: applied as required by the topic.  
This course is a variable topics course dealing with current trends in computer science. Possible topics include compiler design, advanced operating systems, computational complexity, computer graphics, software testing and verification, artificial intelligence, pattern recognition, computer simulation and modeling, graph algorithms.

CSCD 440 Advanced Operating Systems (4)  
Prerequisite: CSCD 340 with a grade ≥2.5, advancement programming exam clearance.  
This course covers a specific operating system involving installation, kernel configuration and kernel modification. The interaction between kernel space and user space is studied and the student designs, implements and tests programs communicating across that programming interface. Programming projects are required.

CSCD 443 Distributed Multiprocessing Environments (4)  
Prerequisites: CSCD 340 with a grade ≥2.5, advancement programming exam clearance.  
This course explores parallel processing concepts and history, including the study and comparison of several multiprocessor systems (such as Java threads, PVM and MPI). Programming projects will be required in the Unix environment and the C and Java languages.
This course involves embedded systems with emphasis on software development. Topics include surveys on digital systems design, software/hardware interface, communication protocols, interrupt service routines and applications programming in an embedded controller.

This course covers technologies typically found in embedded control systems, including basic hardware/software interfaces, multitasking, real-time scheduling and feedback control.

This course focuses on practical skills in concurrent system programming to sharpen system programming skills and promote understanding of issues and concepts in concurrent programming. Topics may include deadlock, starvation, synchronization, parallel paradigms, socket-based web services, cloud computing, map-reduce framework and distributed file systems. Programming projects are required.

This course involves program implementation of 3D computer graphics theory elements from previous graphics courses using a commonly available cross platform 3D graphics application program interface. Programming assignments include implementation of topics from previous courses such as generation of graphics primitives, the virtual camera, perspective projection, modeling and representation in three-dimensional objects and basic lighting. Additional topics include the theory and application of realistic object rendering using Phong and Gouraud shading techniques, 3d lighting and other advanced rendering techniques such as the production of shadows and reflections and the use of advanced rendering techniques in 3D games. Programming projects are required.
CSCD 525 Advanced Database Management Systems (5)
Prerequisite: CSCD 327 or equivalent.
This course is an in-depth study of relational DBMSs and selected database systems topics. Possible topics include query optimization, transaction management, distributed databases, data mining, and information retrieval and web searches.

CSCD 533 Computer Networks (4)
Prerequisite: CSCD 330 or equivalent.
Advanced topics in computer networks is the primary focus of this course. Design and performance of networks are studied in depth. Some hardware concepts such as routers, switches and physical connection media are covered. Protocol analysis and design is covered using existing protocol common in today’s networks. Performance of networks is also studied including TCP/IP protocols, IPv6, possibly ATM or other circuit switched technologies. Programming assignments and hands-on labs will be expected.

CSCD 538 Topics in Computer Hardware (4)
Prerequisite: graduate standing in computer science or permission of the instructor.
A variable content course dealing with some aspect of computer hardware. Possible topics include network theory, VLSI design, control systems, digital systems design, switching and automata theory, computer-aided engineering. May be taken more than once, provided distinct topics are studied.

CSCD 539 Topics in Computer Science (4)
Prerequisite: graduate standing in computer science or permission of the instructor.
A variable content course dealing with an area of computer science other than hardware. Possible topics include compiler design, advanced operating systems, computational complexity, computer graphics, software testing and verification, artificial intelligence, pattern recognition, computer simulation and modeling, graph algorithms. May be taken more than once, provided distinct topics are studied.

CSCD 540 Advanced Operating Systems (5)
Prerequisite: CSCD 340 or equivalent.
The course covers synchronization in concurrent/distributed computing (which modern operating systems must support) and the implementation of virtual machine operating systems. Implementation includes file systems, memory management, paging, task switching, process management and basic operating system services. The virtual machine must be able to support various CPU time allocations schemes to simulate multiprocessor systems of different processing speeds.

CSCD 543 Distributed Multiprocessing Environments (4)
Prerequisites: CSCD 340 or equivalent.
This course explores parallel processing concepts and history, including the study and comparison of several multi-processing environments (such as Java threads, PVM and MPI). Programming projects will be required in the Unix environment and the C and Java languages.

CSCD 544 Time-Critical Networking (4)
Prerequisite: CSCD 330 or equivalent.
This course studies multimedia networking concepts and history, including the study of current practices in multimedia networking technologies and protocols for multimedia signal transport. Selected contemporary multimedia networking application areas are studied as examples. Special emphasis is placed on challenges to multimedia signal transport involving quality of service such as signal latency and jitter. Research projects are required.

CSCD 567 Concurrent Systems (4)
Prerequisite: CSCD 300 and Advancement Programming Exam clearance or equivalent.
The primary goal of this course is to help students understand different types of concurrent systems and the core techniques used to develop the essential components in modern distributed systems and cloud computing systems.

CSCD 570 Photo-Realistic Computer Graphics (4)
Prerequisite: CSCD 471 or equivalent.
Theory and programming techniques of global illumination for photorealistic rendering in computer graphics. Included topics: basics of ray tracing, advanced ray tracing topics including stochastic ray tracing, incorporation of other global illumination techniques including radiosity and photon tracing. Requires programming assignments.

CSCD 575 Computer Systems Design (4)
A survey of computer system architecture including levels of machine description, instruction sets, interrupt handling, memory hierarchies, I/O subsystems and buses.

CSCD 580 Intelligent Systems (4)
Fundamental concepts and techniques of modeling, simulating, visualizing and analyzing complex real-world systems by using artificial intelligence, knowledge acquisition and representation, reasoning, planning, machine learning, expert systems, intelligent agents and multiagent architectures, and search strategies. The course emphasizes practical applications to modern smart and mobile devices. A research project is required.

CSCD 587 Human-Computer Interface (4)
Prerequisite: CSCD 210 or CSCD 305.
This course will begin with a brief overview of human-computer user interfaces historically, with an eye to identifying the key steps in their development conceptually. Students will read in the field of classical human factors, focusing on finding a particular relevance to user interface design and operation. Exploration of the domain of interaction design and testing and intellectual property protection as it relates to human-computer interfaces, investigating what constitutes (or does not constitute) a patentable method and how patent protections are pursued will be discussed. Written projects and team projects are required.

CSCD 595 Professional Internship (2–16)
Prerequisite: permission of the instructor, department chair and college dean.

CSCD 596 Experimental Course (2–5)

CSCD 597 Workshops (1–5)
Note: only one workshop course for up to 3 credits may be used to fulfill graduate degree requirements.

CSCD 598 Seminar (1–5)

CSCD 599 Independent Study (1–6)
Prerequisite: permission of the instructor, department chair and college dean.
A research thesis under the direction of a graduate committee.

CSCD 600 Thesis (2–16)
Note: graded Pass/No Credit.
Prerequisite: permission of the instructor, department chair and college dean.
A research study in lieu of a bound thesis conducted as partial fulfillment of a master’s degree under the direction of a graduate committee.

CSCD 601 Research Report (2–16)
Note: graded Pass/No Credit.
Prerequisite: permission of the instructor, department chair and college dean.
A research study in lieu of a bound thesis conducted as partial fulfillment of a master’s degree under the direction of a graduate committee.

CSCD 602 Industry Project (2–4)
Note: graded Pass/No Credit.
Development and documentation of applied computer science project in an industry setting.

CSCD 695 Departmental Internship (2–12)
Note: graded Pass/No Credit.
Prerequisite: graduate standing; permission of the instructor, department chair and college dean.
Support work for the department relating to computer science. Activities will take place under the supervision of a department faculty or staff member. May involve experiences such as teaching lower-division coursework, systems administration activities and assisting with research activities.

Creative Writing
See English
**UNDERGRADUATE PROGRAMS**

Within the Bachelor of Arts degree, the Department of Sociology and Justice Studies offers a program in Criminal Justice, blending career education and the liberal arts. Criminal Justice is an integrated major with required coursework in the core disciplines that provide the theoretical and methodological roots of contemporary criminological inquiry as well as applied coursework in Criminal Justice. The program is designed to provide an academic foundation appropriate for an educated citizen as well as particular specializations for career preparation.

The Department of Sociology and Justice Studies believes that a university must educate broadly to enrich both career and life. Accordingly, students in the Criminal Justice program will complete social science foundation courses as well as core disciplinary courses. In order to assist them as they move into a variety of career paths, students must also complete coursework in an approved specialty track.

**Required courses in the following programs of study may have prerequisites. Reference the course description section for clarification.**

**BACHELOR OF ARTS (BA)**

**Student Learning Outcomes—students will:**
- be able to understand and apply various methodological and theoretical approaches for conducting research and evaluation with regard to criminal justice practices and policies;
- be able to engage in critical inquiry of criminal justice institutions, practices and policies which explores their benefits and consequences for social justice and equity;
- demonstrate mastery of theories of criminology and deviance, a strong understanding of the correlates of crime and be able to make clear links between theoretical and applied contexts;
- demonstrate an awareness of the systems, processes and relationships between components which comprise the criminal justice system (courts/law, law enforcement and corrections).

**CRIMINAL JUSTICE MAJOR (75 CREDITS)**

*Note:* two years of a single high school foreign language or one year of a single college level foreign language is required.

**Required Courses (45 Credits)**

**Introduction**
- CRIM 300 Introduction to the Criminal Justice System (5)

**Foundation**
- CRIM 350 Social Science Research Methods (5)
- or SOCI 357 A Methodology for Social Research (5)
- CSBS 320 Introductory Statistics for the Social Sciences (5)
- SOCI 301 Survey of Criminology (5)

**Disciplinary Core**
- CRIM 340 Ethics in Criminal Justice (5)
- or PHIL 212 Introductory Ethics (5)
- CRIM 382 Criminal Justice Organization and Administration (5)
- CRIM 490 Criminal Justice Senior Capstone (5)
- GOVT 306 Basic Concepts of Criminal Law (5)
- PSYC 302 Abnormal Psychology (5)

**Specialty Areas Electives (30 credits)**

*Note:* other courses may be selected as approved by a department advisor. For the corrections/law enforcement and social justice areas, students are highly encouraged to do an internship as one of their electives.

**Recommended (not required) if interest is:**

**Corrections/Law Enforcement**
- ADST 300 Survey of Alcohol/Drug Problems (5)
- CRIM 304 Forensic Inquiry (2)
- CRIM 307 Forensic Photography (2)
- CRIM 404 Forensic Identification (4)
- CRIM 460 Penology (5)
- CRIM 468 Police Systems and Practices (5)
- CRIM 495 Internship in Criminal Justice (6)
- GOVT 302 Criminal Procedure (5)
- GEOG 328 Geographic Information Systems (5)
- PSYC 425 Psychology and the Legal System (5)

**Graduate School**
- CRIM 302 Criminal Justice Systems and Development (4)
- CRIM 416 Comparative Criminal Justice Systems (5)
- SOCI 363 Sociology of Deviance (5)
- SOCI 452 Juvenile Delinquency (5)
- SOCI 455 Criminological Theory (5)
- GOVT 305 Jurisprudence (5)
- PSYC 425 Psychology and the Legal System (5)

**Social Justice**
- ANTH 438 Peace, Violence and Culture (5)
- CRIM 360 Women in Prison (5)
- CRIM 420 Peacemaking Criminology (5)
- CRIM 421 Restorative Justice (5)
- CRIM 495 Internship in Criminal Justice (6)
- PSYC 305 Child and Adolescent Development (4)
- SOCI 452 Juvenile Delinquency (5)
- SOCI 455 Criminological Theory (5)

**Required core credits**
45 credits

**Specialty area elective credits**
30 credits

**Minimum total credits for above major**
75 credits

**MINOR**

**CRIMINAL JUSTICE MINOR (28 CREDITS)**

**Required Courses (20 credits)**
- CRIM 300 Introduction to the Criminal Justice System (5)
- CRIM 350 Social Science Research Methods (5)
- or SOCI 357 A Methodology for Social Research (5)
- CRIM 382 Criminal Justice Organization and Administration (5)
- SOCI 301 Survey of Criminology (5)

**Electives (8–10 credits)**
Select from other CRIM courses or in consultation with Criminal Justice advisor.

**Required credits**
20 credits

**Elective credits**
8–10 credits

**Total credits for above minor**
28 credits
Criminal Justice Courses

Terms offered: fall, winter, spring, summer (FWSU). If no terms are indicated, check with the department or EagleNET.

CRIM 299 Individual Study (1–5)
Prerequisite: permission of the instructor, department chair and college dean.

Individual study in criminal justice. Topics are mutually agreed upon by the instructor and student.

CRIM 300 Introduction to the Criminal Justice System (5)
This course is taught from the perspective of the criminologist and examines the interaction within and between the systems of law enforcement, the courts and treatment.

CRIM 302 Criminal Justice Systems and Development (5)
In this course students will explore the origins and development of the contemporary criminal justice system in America.

CRIM 304 Forensic Inquiry (5)
Note: for majors only.

Scientific methods of inquiry used in forensic investigations. Includes methodologies from social science, natural science, law and criminal justice.

CRIM 307 Special Topics in Criminal Justice (1–5)
An open topics course on contemporary criminal justice practice.

CRIM 330 Social Science Research Methods (5)
Prerequisite: CRIM 300.

An introduction to the scientific method in the social sciences, core concepts and issues in social science methods, core groups of methods for data collection and core group of analytic techniques.

CRIM 340 Ethics in Criminal Justice (5)
In this course, we will explore major ethical theories with an emphasis on their application to components of the criminal justice system. We will analyze current issues and ethical dilemmas that criminal justice professionals deal with. We will examine the complex process of moral and ethical decision making in the criminal justice system.

CRIM 360 Women in Prison (5)
Cross-listed: WMST 360.

In this course, we examine the socio-structural relationships between women’s lives and women’s crimes and explore how race, class and gender assumptions shape the experiences of female correctional officers and female inmates. In addition, we analyze how the prison rules and regulations that girls and women have to abide by are deeply gendered. Since the 1980s, the number of women and girls incarcerated has increased drastically. Yet, we know very little about female criminality and women’s lives inside prison.

CRIM 382 Criminal Justice Organization and Administration (5)
Basic organization and management of criminal justice agencies. Discusses line, personnel and auxiliary functions.

CRIM 399 Individual Study (1–5)
Prerequisite: permission of the instructor, department chair and college dean.

Individual study in criminal justice. Topics are mutually agreed upon by the instructor and student.

CRIM 404 Forensic Identification (4)
Note: limited to 15 students.

This course is an advanced laboratory course in forensic facial reconstruction, forensic osteology and computer applications to forensic identification.

CRIM 416 Comparative Criminal Justice Systems (5)
A comparative approach to understanding different criminal justice systems found throughout the world.

CRIM 420 Peacemaking Criminology (5)
Prerequisite: CRIM 300.

This course provides an overview of peacemaking within communities and the justice system. Topics include leaders and tactics, and the historical and philosophical foundations of peace movements.

CRIM 421 Restorative Justice (5)
Prerequisite: CRIM 300.

This course provides an overview of restorative justice within communities and the justice system. Topics include the need for restorative justice practices with an emphasis on the causes of deterrence, new trends in community movements and justice procedures.

CRIM 460 Penology (5)
Note: Acceptable background security check. Course fee. $75 majors have priority.

A study of the contemporary practice of penology in the western world with special attention to the United States and Washington state. Lecture, laboratory and required field trips to Northwest Custodial Institutions.

CRIM 468 Police Systems and Practices (5)
Prerequisite: CRIM 300 or permission of the instructor.

This course examines the profession of a police officer. Topics include criminal investigations, specialized operations, ethics, liability and the process, organization and management of policing in the United States.

CRIM 485 Correctional Counseling: Group Methods (5)

Examines group methods used with criminal offenders, both juvenile and adult. Includes treatment programs, evaluation and therapeutic environments.

CRIM 490 Criminal Justice Senior Capstone (5)
Prerequisites: senior standing; must be taken prior to internship.

Satisfies: senior capstone university graduation requirement.

This course examines the relationship between the major subsystems of the criminal justice system, police, courts, corrections and juvenile justice. Each of these major components addresses issues of crime in society from the same constituents, but from a different perspective. Examination of issues that each component has in common and the manner in which they are differently addressed is the focus of this course. Criminal Justice students will gain an appreciation for the eclecticism of the profession through in-depth analysis of current issues and designing a resolution mechanism.

The characterization of a criminal justice system is discussed from the perspective of individual mission of each element of the system to identify the presence or absence of comonality—except for constituency. The distinctive division of labor between corrections, police administration and the courts are described in effort to identify the decision-making processes to further amplify their interdependence and interrelatedness. Through examination of dilemmas faced by the system students will develop an appreciation for and understanding of the system from the macro perspective. The purpose of this course is to bring together the different elements of the system through examining each of these elements address common, relevant and timely issues.

CRIM 495 Internship (6–12)
Prerequisites: 2.5 GPA, permission of internship instructor and CRIM 490; permission of the instructor, department chair and college dean.

The intern earns credits through participation in a full-time work experience. The length of time is determined by the amount of credit. Normally it will be 10 weeks. Requirements include an on site visit, detailed written report and additional assignments. Internships are limited to the state of Washington and some selected Idaho and Oregon locations. Applications and approval must be obtained prior to the internship experience. Credit for unapproved internship or life experience is not granted.

CRIM 496 Experimental Course (1–5)

CRIM 497 Workshops, Short Courses, Conferences (5)

CRIM 498 Seminar (5)
Prerequisites: 40 major credits and permission of the instructor. For majors only.

CRIM 499 Individual/Independent Study (1–5)
Prerequisite: permission of the instructor, department chair and college dean. Not open to students with a GPA below 3.0.

For individual/independent study in criminal justice. Topics are mutually agreed upon by the instructor and the student.
UNDERGRADUATE PROGRAM

The Department of Dental Hygiene functions within the university setting and offers a baccalaureate degree in dental hygiene which combines a strong liberal arts background with a professional education. General education courses, basic dental and dental hygiene science courses are integrated into the practice of dental hygiene.

Students interested in majoring in dental hygiene should request current information on application procedures and seek advising early in their university program. During the first year(s) of study, students complete dental hygiene prerequisite courses and some General Education Core Requirements. During the final year of prerequisites (either fall or winter quarter), students must declare Pre-Dental Hygiene as their major and formally apply for admission to the Department of Dental Hygiene, which begins its session the following fall quarter. Applications are available from the department's website.

General Admissions Requirements for Dental Hygiene

All students enrolling in dental hygiene courses must hold a current Health Care Provider CPR Certification. In addition to the $50.00 university admission fee and the $100.00 new student enrollment fee, there is an additional $42.00 student department application fee.

All students are urged to maintain contact with department advisors during their prerequisite year(s) because admission criteria are revised periodically. Since enrollment is limited and the admission process is competitive, no assurance can be given that all applicants admitted to the university and successfully completing the prerequisite coursework will be admitted to the Department of Dental Hygiene.

Admissions Requirements for Transfer Students

Students transferring from either four-year institutions or community colleges must first apply for admission to the university through the EWU Admissions Office, which will evaluate transfer coursework and, upon request, send a copy of the transcript evaluation to the Dental Hygiene Program.

Once admitted to EWU, transfer students should contact the Department of Dental Hygiene and arrange to meet with a department advisor for curricular planning and to declare a pre-dental hygiene major.

Applications to the Department of Dental Hygiene will not be processed until students have been formally admitted to the university and a copy of their transcript evaluation has been sent from Admissions to the Department of Dental Hygiene.

Attention High School Students

Those students interested in dental hygiene should complete one year of high school chemistry, biology and algebra.

Placement Record for EWU Dental Hygiene Graduates

EWU dental hygiene graduates have a good placement record in Spokane and nationwide. The program has a 46-chair clinic located on the Riverpoint Campus in Spokane. The clinic provides dental services to the general public by students under direct faculty supervision.

Mission

The department's mission is to educate baccalaureate dental hygienists to assume positions of responsibility in multiple settings. The faculty of the department are committed to creating a quality educational environment that will facilitate the development of responsible professionals who can function effectively in a constantly changing society.

Department Goals for Dental Hygiene

The following goals direct the design, purpose and philosophy of the Eastern Washington University Department of Dental Hygiene.

- The Department of Dental Hygiene will provide all students the skills necessary to function in a constantly changing society; an obligation of Washington's only baccalaureate dental hygiene program.
- The Dental Hygiene faculty are supported throughout their careers;
- Dental Hygiene students, faculty and staff impact the university, the region and the world.
- The Department of Dental Hygiene will grow resources to enhance the dental hygiene academic quality.

While the dental hygiene program consists of a minimum of one year of pre-dental hygiene courses followed by a three-year professional curriculum most students take two years to complete the pre-dental hygiene courses. The professional segment of the three-year curriculum includes emphasis on dental sciences, community dental health, health research theory and clinical practice in traditional and expanded functions. Dental clients are treated at the EWU clinic and at the Veterans’ Administration Medical Center, Community Health Association of Spokane (CHAS) and Riverstone Family Health Clinic. While in the program, dental hygiene students are required to participate as operators and patients for each other, and to deliver and receive injections of local anesthetic and administer and receive nitrous oxide sedation for dental hygiene learning experiences. These activities are essential components of the dental hygiene curriculum.

The program is fully accredited by the Commission on Dental Accreditation of the American Dental Association and leads to a specialized Bachelor of Science in Dental Hygiene degree. It is the only traditional baccalaureate dental hygiene program in Washington state.

Dental Hygiene Prerequisites (54–55 credits)

BIOL 232 Human Anatomy and Physiology for Non-Biology Majors (5)
BIOL 233 Human Anatomy and Physiology for Non-Biology Majors (5)
BIOL 234 Human Anatomy and Physiology for Non-Biology Majors (5)
BIOL 235 Elementary Medical Microbiology (5)
CHEM 161 General Chemistry for the Health Sciences (5)
CHEM 162 Organic Chemistry for the Health Sciences (5)
CHEM 163 Biochemistry for the Health Sciences (5)
ENG 101 College Composition: Exposition and Argumentation (5)
FDNT 356 Nutrition (5)
PSYC 100 General Psychology (5)

Select one course from the following (4–5 credits)

CMST 200 Introduction to Speech Communication (4)
CMST 210 Interpersonal Communication (5)
CMST 250 Small Group Communication (5)
CMST 312 Nonverbal Communication (5)
CMST 331 Interviewing (5)
CMST 540 Intercultural Communication (5)
CMST 440 Global Communications (5)

Required courses in the following program of study may have prerequisites. Reference the course description section for clarification.
BACHELOR OF SCIENCE (BS)

Student Learning Outcomes—students will:

- initiate and assume responsibility for health promotion and disease prevention activities for diverse populations;
- acquire and synthesize information in a critical, scientific and effective manner;
- promote healthy lifestyles and provide planned educational services using appropriate interpersonal communication skills and educational strategies;
- assess, plan, implement and evaluate preventive, therapeutic and restorative treatment using methods consistent with medico/dentolegal principles, law and evidence;
- discern and manage the ethical issues of dental hygiene practice in a rapidly changing environment.

DENTAL HYGIENE MAJOR (104 CREDITS)

Required Courses
DNHY 300 Head and Neck Anatomy (3)
DNHY 301 Dental Anatomy (3)
DNHY 302 Histology/Embryology (3)
DNHY 310 Radiography (3)
DNHY 311 Radiography (2)
DNHY 320 Pharmacology for the Dental Hygienist (3)
DNHY 321 Pain Control (3)
DNHY 330 Pre Clinical Dental Hygiene I (4)
DNHY 331 Pre Clinical Dental Hygiene II (5)
DNHY 332 Pre Clinical Dental Hygiene III (4)
DNHY 341 Management of Medically Compromised Patients (3)
DNHY 350 Clinical Dental Hygiene I (4)
DNHY 351 Clinical Dental Hygiene II (5)
DNHY 352 Clinical Dental Hygiene III (5)
DNHY 360 Preventive Dentistry (2)
DNHY 380 Introduction to Restorative Dentistry (5)
DNHY 381 Principles of Restorative Dentistry (5)
DNHY 421 Periodontology I (3)
DNHY 422 Periodontology II (2)
DNHY 430 Oral and General Pathology (3)
DNHY 450 Clinical Dental Hygiene IV (3)
DNHY 451 Clinical Dental Hygiene V (5)
DNHY 452 Clinical Dental Hygiene VI (5)
DNHY 453 Clinical Dental Hygiene VII (5)
DNHY 460 Community Dental Health I (2)
DNHY 461 Community Dental Health II (2)
DNHY 470 Research Methods (3)
DNHY 480 Restorative Clinic I (3)
DNHY 481 Restorative Clinic II (2)
DNHY 482 Restorative Clinic III (2)
DNHY 490 Dental Hygiene Capstone (4)

Suggested Elective Courses:
DNHY 423 Perio Track (2)
DNHY 475 Teaching Practicum I (1)
DNHY 476 Teaching Practicum II (1)
DNHY 477 Teaching Practicum III (1)

Minimum credits for above major 104 credits

Note: the above major will require more than 12 terms (or four years) to complete at an average of 15 credits per term.

BACHELOR OF SCIENCE IN DENTAL HYGIENE DEGREE COMPLETION (111 CREDITS)

Program Mission and Goals: The mission of the Bachelor of Science in Dental Hygiene (BSDH) degree completion program is to enhance the educational experiences of dental hygienists who graduated with an associate degree. This is accomplished by providing a liberal arts and broad-based general education component which includes critical thinking, research, writing, cultural sensitivity, and ethical judgment. Graduates of this program gain practical experience intrinsic to the various expanded roles and scopes of practice in the profession of dental hygiene.

The BSDH program fully prepares students to interact effectively with other health professionals in a competent, collaborative, and ethical manner.

BSDH Degree Completion Program Goals Include
1. Compel individuals who possess moral and ethical values/behaviors to be effective participants in an increasingly complex and interdisciplinary health care system.
2. Foster dental hygienists who are culturally sensitive and possess a strong theoretical base in the humanities, psychosocial sciences, and dental sciences.
3. Encourage dental hygienists to be life-long learners who critically think, analyze and solve problems, make sound judgments, and lead others to do the same.
4. Cultivate the communication and leadership skills of dental hygienists to enhance their functional role of practitioner as well as the expanded roles of researcher, manager, change agent, consumer advocate, and health promoter/educator.
5. Instill a commitment to contribute actively to the betterment of the dental hygiene profession through professional involvement, continued education, and advanced professional or graduate education.

Teaching Methods and Learning Environment

The teaching methodology employed by faculty of the BSDH degree completion program is one of active participatory and collaborative learning. Course content is delivered online. Students experience a variety of teaching methods and learning style strategies including discussion, writing, presentation, practical experience, and traditional lecture formats utilizing emerging technology, in order to develop and expand the student’s capacity for professional growth.

BSDH degree completion opportunities are for licensed dental hygienists who desire a baccalaurate degree and have associate degrees from two-year community colleges accredited by the Commission on Dental Accreditation and regional higher education accrediting bodies. Transcripts and inquiries should be directed to Professor Ann O’Kelley Wetmore, director of the BSDH degree completion program at Eastern Washington University.

EWU accepts a maximum block transfer of 74 credits from an Associate in Applied Science dental hygiene degree program accredited by the Commission on Dental Accreditation and regional higher education accrediting bodies. Students must fulfill EWU’s general education and degree requirements as identified by a program advisor. Lower division transfer units may apply toward fulfilling these requirements; however, the student must take all courses in the curriculum in order to meet the 61 upper-division credit requirement and/or other degree requirements.

Degree Completion Program BSDH Major

Note: students must transfer in 74 dental hygiene program credits.

Required
DNHY 467 Career Strategies (1)
DNHY 470 Research Methods (3)
DNHY 485 Oral Health Promotion (5)
DNHY 486 Contemporary Issues in Dental Hygiene (5)
DNHY 487 Principles and Policies of Oral Healthcare Management (5)
DNHY 490A Degree Completion Dental Hygiene Capstone (4)
DNHY 491 Foundations Of Dental Hygiene Education (5)
DNHY 492 Dental Hygiene Education Practicum I (5)
DNHY 493 Dental Hygiene Education Practicum II (4)

Required EWU dental hygiene credits 37 credits
Transferred dental hygiene program credits 74 credits
Minimum credits for above major 111 credits
GRADUATE PROGRAM

Mission Statement
The mission of the Master of Science Degree in Dental Hygiene Program is to educate and graduate dental hygienists who are technically, intellectually, and ethically prepared to use critical thinking skills, exemplify life-long learning, employ evidence based decision making, and model cultural sensitivity as community leaders, outstanding citizens, and health care professionals.

This program will encourage the perpetual self-learning capacity to live up to one's full potential and to contribute to making our community, our profession and our world a better place to live.

Goals
1. To graduate educationally competent, culturally sensitive, and ethically sound dental hygienists who promote oral and general health and wellness to the public and other health care practitioners.
2. To provide a quality educational program that meets the needs of the students, to the changing needs of dentistry and follows the guidelines of the educational community.
3. To graduate dental hygienists who initiate and assume responsibility for health promotion and disease prevention for diverse populations in a variety of settings, and who appreciate interprofessional collaboration.
4. To graduate dental hygienists who possess transferable skills in communication, problem solving, and critical thinking, in order to encourage and take advantage of opportunities for professional growth and development in themselves, their profession and others.
5. To offer a graduate degree program that is sufficient in scope and depth to provide a high quality professional education for dental hygienists that fosters the ability to adapt to the future, to provide leadership in dental hygiene, to practice as an ADHP (if the opportunity exists), and to accept the challenge of doctorate level education.
6. To enhance the body of knowledge for the profession of dental hygiene through support of faculty translational research programs that contribute to the art and science of dental hygiene, to dental hygiene practice, and the improvement of oral health delivery systems.

Philosophy
The philosophy of the MSDH program is one of commitment to the education and development of oral health professionals who go beyond academic excellence, who are productive, self-sufficient citizens of society, who are responsive to the global community, and who maintain high ethical standards in their personal and professional lives. In order to achieve these goals, our faculty embodies excellence in academic endeavors, professional development in teaching theory and pedagogy, knowledge of scientific advancements in dental care and advanced clinical skills. Our goal is to produce graduates who are prepared to meet the current and future health care demands of the global community.

MASTER OF SCIENCE (MS)

Student Learning Outcomes—students will:
• exhibit the technical abilities, intellectual knowledge, and ethics necessary to collaborate and advocate for health policy challenges facing the health profession;
• exemplify critical thinking, scholarly inquiry, and professionalism as a leader in the profession and community;
• implement evidence-based theories and methods in a culturally sensitive manner to provide comprehensive care and promote health and well being;
• embody self-learning as a means to meet their full potential and contribute to making our community, our profession, and our world a better place to live.

Admission Requirements for the Graduate Dental Hygiene Program
2. BS in dental hygiene or related area from an accredited dental hygiene program in the U.S. or Canada.
3. Successful completion of the Dental Hygiene National Board exam or its Canadian equivalent.
4. A current dental hygiene license in the U.S. or Canada.
5. Submission of an essay on a topic provided by the Department of Dental Hygiene.
6. Clearance of a criminal background check.
8. Four or 5 credit statistics course approved by the department.

In addition to the $50 university graduation application fee, there is an additional $50 departmental application fee. Applications to the Department of Dental Hygiene will not be considered until they have been processed in the university Graduate Studies Office and a copy of the transcript evaluation has been sent from Graduate Studies to the Department of Dental Hygiene.

DENTAL HYGIENE MAJOR (62–65 CREDITS)

Required Core Courses (35 credits)
DNHY 501 Advanced Dental Hygiene Practice with Lab (2)
DNHY 505 Healthcare Leadership (5)
DNHY 520 Translational Research (3)
DNHY 525 Theoretical Foundations of Advanced Dental Hygiene Practice (5)
DNHY 530 Advanced Dental Hygiene Research/Technical Writing (5)
DNHY 605 Components of Program Development (5)
DNHY 635 Practicum I (5)
DNHY 645 Practicum II (5)

Required Courses (21–26 credits)
DNHY 600 Thesis (10–15)
DNHY 610 Educational Methodology (3)
DNHY 615 Advanced Educational Theory and Methods (5)
DNHY 625 Clinical Administration and Teaching (3)

Required Electives, from the list below (6 credits minimum) All electives must be approved by the program director. Suggested and approved courses include:

Health Services Administration Program
HSAD 470 Healthcare Finance (4)*
HSAD 500 U.S. Health Care Systems (4)
HSAD 510 Health Law (4)
HSAD 520 Health Reimbursement Issues (4)
HSAD 530 Seminar on Business and Health (4)
HSAD 598 Seminar in Health Services Administration (4)

Economics Department
ECON 424 Economics of Poverty and Discrimination (5)
ECON 445 Insurance and Risk (5)*
ECON 452 Health Economics (5)*

Management Department
MGMT 422 Entrepreneurship (4)

Social Work Department
SOWK 560 Topics of Social Work Practice (1–6)

Education Department
COIN 571 Survey of Post-Secondary Education (4)
COIN 572 Strategies for Teaching Adults (4)
COIN 581 Workshop in College Teaching (3)
EDUC 505 Current Issues in Education (4)
EDUC 506 Educational Sociology (4)
EDUC 530 Foundations of Educational Communication and Information Technology (4)

Accounting and Information Systems Department
MISC 488 Health Information Technology (4)*

Note: *the courses with an asterisk have prerequisite coursework that must be satisfied prior to enrolling in these courses, which will add additional minimum credits to the total credits required for the master’s degree if the student selects these courses satisfying the Required Electives component of their program of study.

Required core credits 35 credits
Emphasis credits 21–26 credits
Required electives 6 credits
Total credits for above master’s degree 62 credits
Dental Hygiene Courses

Terms offered: Fall, winter, spring, summer (FWSU).
If no terms are indicated, check with the department or EagleNET.

DNHY 300 Head and Neck Anatomy (3) S
Prerequisite: admission into dental hygiene program or waiver by instructor.
A detailed study of head and neck anatomy, including bones, musculature, blood, lymphatic and nerve supply.

DNHY 301 Dental Anatomy (3) F
Prerequisite: admission into dental hygiene program.
The course is study of normal anatomy, terminology, morphology and eruption. The following topics are covered: eruption, physiologic tooth form, collective tooth morphology, dental anatomy, nomenclature and specific anatomical features of selected permanent and primary teeth.

DNHY 302 Histology/Embryology (3) F
Prerequisite: admission into dental hygiene program or waiver by instructor.
A detailed study of oral histology and embryology. Development of the face and oral cavity: microscopic anatomy of the oral cavity.

DNHY 310, 311 Radiography
Prerequisite: admission into dental hygiene program or waiver by instructor.
Clinical and physical principles of x-ray production, hazards and safety procedures, with an orientation to oral anatomy and completion of acceptable full-mouth surveys on dental clients. Techniques for advanced skills and panoramic radiography emphasized in DNHY 311.

DNHY 320 Pharmacology for the Dental Hygienist (3) W
Prerequisite: admission into dental hygiene program or waiver by instructor.
Principles of pharmacological and therapeutic action of drugs used in dentistry.

DNHY 321 Pain Control (3) F
Prerequisite: admission into dental hygiene program or waiver by instructor.
This course is designed to give the student an understanding of the history, theory and use of nitrous oxide sedation and dental local anesthetic agents.

DNHY 330 Pre-Clinical Dental Hygiene I (4) F
Prerequisite: admission into dental hygiene program or waiver by instructor.
This course is the first in a series introducing the basic principles for clinical dental hygiene treatment. Focus is on the integration of didactic and clinical skills.

DNHY 331 Pre-Clinical Dental Hygiene II (5) W
Prerequisite: DNHY 330.
This course is the second in a series introducing the basic principles for clinical dental hygiene treatment. Focus is on the integration of didactic and clinical skills.

DNHY 332 Pre-Clinical Dental Hygiene III (4) S
Prerequisite: DNHY 331.
This course is the third in a series introducing the basic principles for clinical dental hygiene treatment. Focus is on the integration of didactic and clinical skills.

DNHY 341 Management of the Medically Compromised Patient (3) F
Prerequisite: admission into dental hygiene program or waiver by instructor.
This course introduces dental hygiene management of the medically compromised patient. Emphasis will be placed on understanding the concept of total client care and management of the medically compromised patients that are either electing or requiring dental care for optimal health and function.

DNHY 350 Clinical Dental Hygiene I (4) F
Prerequisite: admission into dental hygiene program or waiver by instructor.
This is the first course involving supervised experience in clinical procedures for dental hygiene.

DNHY 351 Clinical Dental Hygiene II (5) W
Prerequisite: DNHY 350.
This is the second course involving supervised experience in clinical procedures for dental hygiene.

DNHY 352 Clinical Dental Hygiene III (5) S
Prerequisite: DNHY 351.
This is the third course involving supervised experience in clinical procedures for dental hygiene.

DNHY 360 Preventive Dentistry (2) S
Prerequisite: admission into dental hygiene program.
This course is designed to introduce the first year dental hygiene student to current theories, knowledge and practices of preventive dentistry.

DNHY 380 Introduction to Restorative Dentistry (5) W
Prerequisite: admission into dental hygiene program.
This introductory lecture and laboratory course provides an opportunity to acquire the knowledge and skills associated with dental materials and restorative functions. This course is the first of several courses that provides basic didactic and laboratory information required to facilitate the selection, manipulation and placement of dental materials.

DNHY 381 Principles of Restorative Dentistry (3) S
Prerequisite: admission into dental hygiene program.
This course is the second of two courses that emphasize selection, manipulation and placement of dental materials. This course provides an opportunity to acquire the didactic knowledge associated with dental materials and become competent in laboratory restorative procedures necessary to provide clinical restorative therapy.

DNHY 421 Periodontology I (3) W
Prerequisite: admission into dental hygiene program or waiver by instructor.
A detailed study of the various periodontal diseases, with emphasis on histological and clinical recognition as well as treatment of the diseases.

DNHY 422 Periodontology II (2) F
Prerequisite: admission into dental hygiene program or waiver by instructor.
Continued study of the recognition and treatment of periodontal diseases, especially as they relate to dental hygiene practice.

DNHY 423 Perio Track (2) W
Prerequisite: admission into dental hygiene program or waiver by instructor.
This course explores advanced periodontal procedures beyond those required in the major. The student will explore periodontal treatment through a combination of clinical and didactic experiences.

DNHY 430 Oral and General Pathology (3) S
Prerequisite: admission into dental hygiene program or waiver by instructor.
A histopathological study of oral lesions, pathogenic conditions of particular significance to dentistry and principles of general pathology.

DNHY 450 Clinical Dental Hygiene IV (3) U
Prerequisite: admission into dental hygiene program or waiver by instructor.
The fourth of seven quarters of supervised experiences in clinical procedures of dental hygiene, increasing in scope of opportunity as skill is attained.

DNHY 451 Clinical Dental Hygiene V (5) F
Prerequisite: admission into dental hygiene program or waiver by instructor.
The fifth of seven quarters of supervised experiences in clinical procedures of dental hygiene, increasing in scope of opportunity as skill is attained.

DNHY 452 Clinical Dental Hygiene VI (5) W
Prerequisite: admission into dental hygiene program or waiver by instructor.
The sixth of seven quarters of supervised experiences in clinical procedures of dental hygiene, increasing in scope of opportunity as skill is attained.

DNHY 453 Clinical Dental Hygiene VII (5) S
Prerequisite: admission into dental hygiene program or waiver by instructor.
The last of seven quarters of supervised experiences in clinical procedures of dental hygiene, increasing in scope of opportunity as skill is attained.

DNHY 460 Community Dental Health I (2) F
Prerequisite: admission into dental hygiene program or waiver by instructor.
This course provides a comprehensive introduction to public health practices through the study and evaluation of the principles, terminology and techniques of community dental health. Learning experiences are provided for students to apply public health principles through serving the needs of the community in various settings.

DNHY 461 Community Dental Health II (2) W
Prerequisite: DNHY 460.
This course further develops the concepts and skills of dental public health. Students continue to expand on public health experience in various community settings.

DNHY 467 Career Strategies (1) W
Prerequisite: acceptance to the BSDH degree completion program.
Students explore alternate career paths and essential skills needed to create a professional development plan related to a non-clinical dental hygiene practice.

DNHY 470 Research Methods (3) S
Prerequisite: admission into dental hygiene program or waiver by instructor.
Basic principles of research and the facilitation of the development of analytical skills for evaluation of professional research.

DNHY 475 Teaching Practicum I (1) F
Prerequisite: admission into dental hygiene program.
This course focuses on providing clinical and laboratory teaching methodology and experience to a novice educator. Students are assigned teaching opportunities under the direction of the course instructor.

DNHY 476 Teaching Practicum II (1) W
Prerequisites: DNHY 475.
This course is a continuation of DNHY 475 and focuses on providing clinical and laboratory teaching methodology and experience to a novice educator. Students are assigned teaching opportunities under the direction of the course instructor.

DNHY 477 Teaching Practicum III (1) S
Prerequisites: DNHY 476.
This course is a continuation of DNHY 476 and focuses on providing clinical and laboratory teaching methodology and experience to a novice educator. Students are assigned teaching opportunities under the direction of the course instructor.
DNHY 480 Restorative Clinic I (3) F
Prerequisite: admission into the dental hygiene program.
This is the first course of a three-quarter sequence in clinical restorative dental hygiene. The course is comprised of lectures, restorative clinics and laboratory experiences which are designed to facilitate the development of various restorative materials and clinical procedures as well as the development of restorative manipulative skills.

DNHY 481 Restorative Clinic II (2)
Prerequisite: DNHY 480 and admission into the dental hygiene program.
This is the second course of a three-quarter sequence in clinical restorative dental hygiene. The course is comprised of lectures, restorative clinics and laboratory experiences which are designed to facilitate the student's knowledge of various restorative materials and clinical procedures as well as the development of restorative manipulative skills.

DNHY 482 Restorative Clinic III (2)
Prerequisite: DNHY 481 and admission into the dental hygiene program.
This is the third course of a three-quarter sequence in restorative dental hygiene. The course is comprised of restorative clinics and laboratory experiences which are designed to facilitate the student's knowledge of various restorative materials and clinical procedures as well as the development of restorative manipulative skills.

DNHY 485 Oral Health Promotion (5)
Prerequisite: acceptance into the BSDH degree completion program.
This course focuses on current topics related to oral health affecting changes in global populations.

DNHY 486 Contemporary Issues in Dental Hygiene (5) W
Prerequisite: acceptance into the BSDH degree completion program.
This course covers global roles of the dental hygienist, innovations in technology, best practices, science and policy related to the dental hygiene process of care.

DNHY 487 Principles and Policies of Oral Healthcare Management (5) S
Prerequisite: acceptance into the BSDH degree completion program.
Management and policy creation for healthcare programs and businesses, specifically oral healthcare are discussed in this course.

DNHY 490 Dental Hygiene Capstone (4) S
Prerequisite: admission into the dental hygiene program or waiver by instructor.
Satisfies: senior capstone university graduation requirement.
An integrative, theme-based capstone course which focuses on the ethical and legal issues facing the dental hygienist of the future.

DNHY 490A Dental Hygiene Degree Completion Capstone (4)
Prerequisite: acceptance into the BSDH degree completion program.
Satisfies: senior capstone university graduation requirement.
This course incorporates the major learning themes of the dental hygiene degree completion curriculum resulting in a student-generated culminating capstone project/essay.

DNHY 491 Foundations of Dental Hygiene Education (5)
Prerequisite: acceptance into the BDSDH degree completion program.
This course provides basic educational theory and application. Fundamental theories of leadership and teaching strategies are introduced.

DNHY 492 Dental Hygiene Education Practicum I (5)
Prerequisite: DNHY 491.
This course provides practice experiences integrating educational theory, application and leadership. Educational theories and teaching strategies are developed through dental hygiene clinical and laboratory instruction, leadership, professionalism, and ethics.

DNHY 493 Dental Hygiene Education Practicum II (4)
Prerequisite: DNHY 492.
A final course providing continued development of teaching strategies to include group and active learning, assessment, group leadership, and integration of technology and media in educational settings.

DNHY 501 Advanced Dental Hygiene Practice with Lab (2) F
Prerequisite: admission to the DNHY graduate program.
This course focuses on the dental hygiene process of care related to advanced preventive and therapeutic interventions to various population groups, technology and outcomes. Application of advanced dental hygiene care in a clinical setting will be a portion of this course.

DNHY 505 Healthcare Leadership (5) F
Prerequisite: admission to the DNHY graduate program.
This course actively teaches the theoretical, operational and analytical skills that are keys to success in health management. Included are the application of leadership and management theory related to professional issues, policy development, legal and ethical principles, professional associations, strategic planning, conflict resolution and professional advancement.

DNHY 520 Translational Research (3) F
Prerequisite: admission to the DNHY graduate program and completion of an undergraduate statistics or biostatistics course.
This course focuses on critical reading, understanding and evaluation of the professional literature. Students learn how to access information electronically in order to make evidence-based decisions that contribute to the development of best practices. Grant writing is included to prepare students for the various components of a thesis.

DNHY 525 Theoretical Foundations of Advanced Dental Hygiene Practice (5) W
Prerequisite: admission to the DNHY graduate program.
This course focuses on an individualized learning experience to apply principles and theories in an emphasis area. Approval required for off-campus sites.

DNHY 530 Advanced Dental Hygiene Research/Technical Writing (5) W
Prerequisite: admission to the DNHY graduate program.
This course promotes the development of lifelong learning skills through critical analysis of research findings and communication of a grant proposal. Writing in this course will include structure and organization of documents, style, usage and drafting.

DNHY 600 Thesis (1–3)
Note: must be repeated five times.
Prerequisite: admission to the DNHY graduate program; permission of the instructor, department chair and college dean.
This course is a research project conducted under the direction of a faculty member.

DNHY 605 Components of Program Development (5) S
Prerequisite: admission to the dental hygiene graduate program.
This course offers an overview of general principles of teaching, learning and evaluation in academic and community oral health programs. Emphasis is on the components of program development (assessment, planning, implementation and evaluation).

DNHY 610 Educational Methodology (3) S
Prerequisite: admission to the DNHY graduate program.
This course is a study of teaching-learning processes suitable for adults and the educational theories from which they derive. An overview of various teaching strategies is included.

DNHY 615 Advanced Educational Theory and Methods (5) F
Prerequisite: DNHY 605.
This course focuses on the study of educational, program development, leadership, and administrative theories and its unique role as the profession of dental hygiene. General and specialized accreditation processes, role of state dental licensure boards, human resources, employee performance assessment, program financing from private support, public funding or clinical fees, clinic administration and outcomes assessment are explored.

DNHY 625 Clinical Administration and Teaching (3) F
Prerequisite: DNHY 610.
This course focuses on theories and methods of clinical instruction and supervision, including psychomotor skill development, competency-based evaluation, student mentoring and remediation. Organizational and administrative philosophy in clinic administration based on accreditation standards are examined.

DNHY 635 Practicum I (5) W
Prerequisite: completion of DNHY 605, 610, 615, 625.
This course focuses on an individualized learning experience to apply principles and theories in an emphasis area. Approval required for off-campus sites.

DNHY 645 Practicum II (5) S
Prerequisite: completion of DNHY 605, 610, 615, 625.
This course focuses on an individualized learning experience to apply principle and theories of an emphasis area. Approval required for off-campus sites. This course is a continuation of DNHY 635.
The only real voyage of discovery consists not in seeking new landscapes but in having new eyes.
Marcel Proust, novelist (1871–1922)
RIDE Courses

Note: in cooperation with the University of Washington School of Dentistry (UWSOD), EWU offers these courses for first-year dental students.

Terms offered: fall, winter, spring, summer (FWSU). If no terms are indicated, check with the department or EagleNet.

RIDE 505 Human Physiology I (4)
Prerequisite: admission to UWSOD.
Intensive coverage of the gastrointestinal, renal, cardiovascular and respiratory systems through lectures and conferences. Excitable tissues, skeletal muscles, spinal reflex, pain physiology, endocrinology, autonomic nervous system, reproductive endocrinology.

RIDE 506 Human Physiology II (4)
Prerequisite: admission to UWSOD.
Intensive coverage of the cardiovascular, renal, endocrine, respiratory and digestive systems through lectures and conferences.

RIDE 510 Social and Historical Perspectives in Dentistry (2)
Prerequisite: admission to UWSOD.
This course introduces the process of critical thinking and its application to clinical problem-solving in a behavioral and social context.

RIDE 513 Communications Skills I—Techniques (1)
Prerequisite: admission to UWSOD.
Introductory communication skills with an emphasis toward the skills needed for interviewing patients. The course is presented in seminar format.

RIDE 514 Communications Skills II—Cultural Competency (1)
Prerequisite: admission to UWSOD.
Topics covered in this course and RIDE 514 will be applied in RIDE 515.

RIDE 515 Communications Skills III—Interviewing and History-taking (1)
Prerequisite: admission to UWSOD.
This course provides early clinical experiences and develops skills necessary to learn from patients what you need to know about their social, medical and dental histories to effectively understand the whole patient which allows you to diagnose, plan and provide appropriate treatment.

RIDE 516 Physical Examination I (1)
Prerequisite: admission to UWSOD.
This course covers the four basic body systems of the human body and the clinical examination of these systems. This course will provide an opportunity to apply the concepts learned in this course to the clinical examination of patients.

RIDE 517 Physical Examination II (2)
Prerequisite: admission to UWSOD.
This course consists of lectures, clinical practice sessions, clinical rotations and seminars that address techniques of patient assessment including history-taking, physical examination and interpretation of findings. Includes development of skills through participation in clinical sessions.

RIDE 519 Medical Microbiology and Immunology (3)
Prerequisite: admission to UWSOD.
Bacterial structure, physiology and genetics. Viral structure and function. Bacterial and viral diseases of the respiratory tract, skin, GI tract, innate and adaptive immunity. Immune response to infection, immunodeficiencies and autoimmunity.

RIDE 520 Dental Materials Science (3)
Prerequisite: admission to UWSOD.
This course is a didactic course in which basic concepts of dental materials science are presented to dental students. In addition, physical, mechanical, chemical and biological properties of a variety of restorative dental materials is discussed. Emphasis is also given to proper selection and handling of dental materials with clinical use.

RIDE 521 Applied Dental Materials (3)
Prerequisite: admission to UWSOD.
This course consists of a weekly orientation lecture and laboratory session that provides first-year dental students with practical instruction in the proper use of restorative dental materials. Attention is also given to student self-evaluation of their performance with the various laboratory projects.

RIDE 530 Anatomy and Embryology for Dental Students (13)
Prerequisite: admission to UWSOD.
Normal gross structures of the thorax, abdomen, pelvis, perineum, upper extremity and neck are discussed and then dissected on human cadavers. The development of each organ system is presented and related to the definitive normal adult structure. Developmental anomalies and diagnostic anatomy are also discussed.

RIDE 531 Introduction to Neuroanatomy (2)
Prerequisite: admission to UWSOD.
General survey of the structure of the central nervous system, including an analysis of sensory and motor systems and higher integrative functions and clinical correlation.

RIDE 540 Development, Structure and Function of Oral Tissues (3, 3)
Note: must be repeated once for credit.
Prerequisite: admission to UWSOD.
This 3 credit course covers the development, microscopic and submicroscopic structure and functional aspects of hard and soft oral tissues, embryonic development of head and neck and morphodifferentiation of face and dental structures, structure-function relationships in descriptions of development and history-ultrastructure of oral tissues by integration of traditional oral histology and oral physiology topics.

RIDE 541 Microscopic Anatomy (4)
Prerequisite: admission to UWSOD.
Lecture and laboratory work in microscopic anatomy. An integrative introduction to the structure and function of cells, tissues and organs of the body. Coursework focuses on the microscopic examination of these structures and their functions. Interconnections are made throughout the course with physiological, biochemical and gross anatomical data.

RIDE 542 Molecular Microbiology and Oral Diseases (2)
Prerequisite: admission to UWSOD.
Applies students’ background knowledge in basic sciences to an understanding of specific microbiology of various niches of the oral cavity, formation and metabolic activity of dental plaque, etiology, pathogenesis, histopathology and clinical characteristics of dental diseases. Principles involved in prevention of cross-contamination and diagnosis of clinical infections.

RIDE 544 General and Systemic Pathology (5)
Prerequisite: admission to UWSOD.
Basic pathologic processes that underlie disease, including cell alterations, genetic pathology, developmental and environmental pathology, genetic aspects of cancer and neoplasia, immunopathology and inflammation and host responses. Correlates the gross, functional and biochemical alterations. Survey of pathologic processes affecting organs and systems pertinent to the practice of dentistry. Lectures present a coherent picture of systemic disease.

RIDE 554 Clinical Dentistry I (1)
Prerequisite: admission to UWSOD.
This course is intended as an introduction to clinical operative dentistry for RIDE students. The course uses lectures, discussions, audiovisuals and laboratory sessions to introduce the students to important principles needed in preparation for their first-year dental school. The course will also enhance the students' understanding of proper use of the rubber dam and high speed hand piece and introduce them to instrumentation of simple cavity preparations.

RIDE 555 Dental Anatomy (3)
Prerequisite: admission to UWSOD.
Lecture and laboratory on the morphology and nomenclature of individual teeth of the adult dentition. Introduction to tooth histology and function and the influence of tooth anatomy on clinical dental procedures.

RIDE 556 Introduction to Occlusion (3)
Prerequisite: admission to UWSOD.
This is a lecture and laboratory course which will provide a basis for evaluation and problem-solving in dental occlusion. It will integrate the materials learned in Dental Anatomy with ideal and functional occlusion. The course builds on knowledge of tooth morphology and the nomenclature gained in Dental Anatomy. The laboratory will be an extension of Dental Anatomy and will reward a student's ability to discriminate what is correct and not correct as well as correctly solving problems of occlusion. The students will be treated as dental colleagues.

RIDE 557 Functional Analysis of Occlusion (3)
Prerequisite: admission to UWSOD.
Clinical and laboratory experiences in examination and charting of patient's occlusion, record-taking for analysis of occlusion on a dental articulator and preclinical diagnostic correction of problems of occlusion on articulated clinical casts. Provides basic background and technical information relative to laboratory and clinical experiences.

RIDE 558 Operative Dentistry I (1)
Prerequisite: admission to UWSOD.
This lecture series introduces concepts of operative dentistry to first-year dental students. Nomenclature, cavity classification, instrumentation, pulpotomy, restoration and principles of cavity preparation are presented and discussed.

RIDE 559 Local Anesthesia (1)
Prerequisite: admission to UWSOD.
This course is intended as an introduction to dental local anesthesia for RIDE students. Pharmacology, neurophysiology, techniques, emergency prevention and management, armamentarium safety and client management will be discussed. Safe administration and student-operated decisions will be emphasized in both didactic and laboratory activities.
RIDE 567  Introduction to Periodontics (2)  
Prerequisite: admission to UWSOD.  
An introductory didactic course in periodontology for pre-doctoral dental students. Successful completion of this course should allow students to apply knowledge obtained from basic science disciplines to the understanding of the infectious nature of periodontal diseases and the disease process resulting from the host inflammatory response. The student will learn how to assess clinical conditions and associate these conditions with periodontal pathology.

RIDE 590  Medical Information for Decision Making (1)  
Prerequisite: admission to UWSOD.  
Introduction to methods for: (a) identifying and retrieving high quality, relevant documents for clinical decision making, (b) applying rigorous criteria when reading primary research studies or reviews of primary studies or other medical information sources that report on the effectiveness of therapeutic or preventive interventions.

RIDE 610  Introduction to Clinical Dentistry (2)  
Prerequisite: admission to UWSOD.  
Introduction to clinical dental education. Students will participate in classroom and clinical exercises that lead to integration of didactic and clinical skills. This course will focus on developing the qualities of a professional and the introduction of the process of care with an emphasis on assessment. Students will practice professional communication, teamwork and instrumentation skills necessary for the practice of dentistry. Basic techniques are introduced and practiced on dentoforms and peer partners.
UNDERGRADUATE PROGRAMS

Students studying in the Department of Engineering & Design (DESN/ EENG/MENG/METC/TECH) may select from a broad number of disciplines that include Electrical Engineering, Mechanical Engineering Technology, Mechanical Engineering, Visual Communication Design, Construction, Design and Manufacturing. The primary goal of the Department of Engineering & Design is to provide students with the technical background required for careers in business and industry. Coursework within each program offers experiences in many areas of engineering and design that enhance the preparation of our graduates.

Engineering & Design Departmental Scholarship Information

The department awards two scholarships annually: the M. W. Consulting Engineering Scholarship and Aaron G. Mertens memorial scholarship. These scholarships are awarded to our majors based on academic qualifications and need.

General Admissions Information for Engineering & Design

Students entering the Bachelor of Science degree program as juniors should have completed one year of physics as well as mathematics through precalculus. Failure to complete the mathematics and physics requirements before the junior year likely will delay graduation.

Grade Requirements

In order to graduate, students majoring in the department must earn a GPA ≥ 2.5 in departmental coursework. Students getting a minor in the department must also earn a GPA ≥ 2.5 in departmental coursework.

Required courses in the following programs of study may have prerequisites. Reference the course description section for clarification.

**BACHELOR OF ARTS (BA)**

Student Learning Outcomes—students will:

- understand basic business practices, including working on teams;
- identify, analyze and solve communication problems;
- create and develop visual form in response to communication problems;
- show respect for diversity and knowledge of contemporary professional, societal and global issues;
- recognize the need for, and the ability to engage in, lifelong learning;
- describe and respond to the audiences and contexts which communication solutions must address.

VISUAL COMMUNICATION DESIGN (80–81 CREDITS)

A major in Visual Communication Design educates and prepares students to conceive and produce creative solutions to satisfy the visual communication needs of society. Graduates are prepared for careers in graphic design, web design, multimedia design, advertising, printing, publishing or related fields. Theory and practice are covered in a variety of contexts, including process and product, form and content, type and image and inter activity. Current technology and future trends are addressed in the context of industry practices. This major is combined with a related minor in another academic area to specialize in specific career preparation.

Notes:
1. Two years of a single high school foreign language or one year of a single college level foreign language is required; in order to receive the Visual Communication Design degree, students must earn a grade ≥ 3.0 in the following courses: DESN 263 Visual Communication Design 1 and DESN 363 Visual Communication Design 2. This is in addition to the department requirement of ≥ 2.5 GPA in all DESN/TECH coursework.
2. The above major does require the completion of an approved minor. This adds a minimum of 19–20 credits (in the case of Art and Communication).
3. The list of courses making up the minor must also be approved by your Visual Communications Design advisor.

Required Core Courses (50 credits)

- DESN 100 Drawing for Communication (5)
- DESN 216 Digital Foundations (4)
- DESN 243 Typography (4)
- DESN 259 History of Design (4)
- DESN 263 Visual Communication Design 1 (5)
- DESN 363 Visual Communication Design 2 (5)
- DESN 366 Prepress Production (4)
- DESN 368 Web Design 1 (4)
- DESN 378 Web Design 2 (4)
- DESN 463 Visual Communication Design 3 (5)
- DESN 490 Senior Capstone (4)
- DESN 493 Portfolio (2)

Supporting Courses (18–19 credits)

- ART 107 Basic Design (5)
- CMST 201 Public Speaking (5)
- CMST 200 Introduction to Speech Communication (4)
- TCOM 205 Introduction to Technical Communication (5)
- TECH 393 Technology in World Civilization (4)

Electives (12 credits)

<table>
<thead>
<tr>
<th>Required core credits</th>
<th>50 credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Supporting credits</td>
<td>18–19 credits</td>
</tr>
<tr>
<td>Elective credits</td>
<td>12 credits</td>
</tr>
<tr>
<td>Total credits for above major</td>
<td>80 credits</td>
</tr>
</tbody>
</table>
**BACHELOR OF FINE ARTS (BFA)**

Student Learning Outcomes—students will:

- have the ability to solve visual communication problems, including the skills of identification, research and information gathering, analysis and generation of alternative solutions;
- have the ability to draw on thoughts and ideas in relation to an art historical timeline, apply contemporary concepts in design to their own work and articulate and discuss art within our own culture and the art of other cultures;
- have basic skills to create a response to visual communication problems, including an understanding of the principles of visual organization/composition, information hierarchy, symbolic representation, typography, aesthetics and the construction of meaningful images;
- have an understanding of multimedia tools and technology, including their roles in the creation, reproduction and distribution of visual messages;
- be able to describe and respond to audiences and contexts that communication solutions must address, including recognition of the physical, cognitive and social human factors that shape design decisions. Students will have an understanding of basic business practices, including the ability to organize design projects and to work productively as members of a team;
- create a cohesive body of work on a level appropriate to entry into both graduate schools and design professions and have the knowledge to defend their portfolio work both orally and in written statement.

**VISUAL COMMUNICATION DESIGN (113 CREDITS)**

The Department of Engineering & Design and the Department of Art offer an intercollegiate Visual Communication Design program founded on four major concerns: developing the highest levels of individual creative performance and professional education; providing courses for all students which develop ability in both technical visual communications as well as important core skills in the area of fine art; giving students a greater cultural and historical understanding and aesthetic appreciation of the function of design in the arts and in the world around them; and functioning as dual centers of emphasis and resource for the visual arts, visual communication and technology in the cultural activities of both the university community and the community at large.

Both departments are committed to working together to give students access to current technologies in the area of visual communication design, as well as experience in developing the necessary visual skills provided by studio art areas such as drawing, painting and sculpture.

The program ends with a three quarter senior year intensive studio experience for the preparation of portfolios for job placement or graduate school application. This includes midterm faculty review of student work, quarterly outside professional review and a final exhibition as the completion of the student portfolio of work.

Prior to declaring the BFA major, students must apply to the program by submitting a portfolio and academic transcripts. Application is recommended at the end of the sophomore year to help ensure that appropriate junior year courses are selected. Students need not be in the BFA to take DESN or ART classes, with the exception of the senior year three quarter class DESN 471 or ART 471. This course requires previous acceptance into the BFA degree program.

**Notes:**
1. There is no foreign language requirement for BFA students.
2. Including university requirements, the above program requires a minimum of 180 credits or an average of 15 credits per quarter for a 12 quarter, four-year program. The 180 credits are based upon the following assumptions: Students will have satisfied university competencies (ENGL 101 and CPLA 100). If this is not true, then the student will have to complete up to six more credits of classes (see university competencies in this catalog.)
3. ART 213 fulfills EWU’s Fine Arts core requirement.
4. TECH 393 fulfills EWU’s International Studies requirement.
5. DESN 490 fulfills EWU’s senior capstone requirement.

Required Courses (104 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 107 Basic Design</td>
<td>5</td>
</tr>
<tr>
<td>ART 207 Color Design</td>
<td>5</td>
</tr>
<tr>
<td>ART 213 Art in the Humanities</td>
<td>5</td>
</tr>
<tr>
<td>ART 300 Drawing</td>
<td>5</td>
</tr>
<tr>
<td>ART 303 Digital Art I</td>
<td>5</td>
</tr>
<tr>
<td>ART 307 3D Design</td>
<td>5</td>
</tr>
<tr>
<td>ART 360 Printmaking</td>
<td>5</td>
</tr>
<tr>
<td>ART 401 Life Drawing</td>
<td>5</td>
</tr>
<tr>
<td>ART 431 History of Contemporary Art</td>
<td>5</td>
</tr>
<tr>
<td>DESN 100 Drawing for Communication</td>
<td>5</td>
</tr>
<tr>
<td>DESN 216 Digital Foundations</td>
<td>4</td>
</tr>
<tr>
<td>DESN 243 Typography</td>
<td>4</td>
</tr>
<tr>
<td>DESN 259 History of Design</td>
<td>4</td>
</tr>
<tr>
<td>DESN 263 Visual Communication Design I</td>
<td>5</td>
</tr>
<tr>
<td>DESN 363 Visual Communication Design 2</td>
<td>5</td>
</tr>
<tr>
<td>DESN 366 Prepress Production</td>
<td>4</td>
</tr>
<tr>
<td>DESN 368 Web Design I</td>
<td>4</td>
</tr>
<tr>
<td>DESN 378 Web Design 2</td>
<td>4</td>
</tr>
<tr>
<td>DESN 463 Visual Communication Design 3</td>
<td>5</td>
</tr>
<tr>
<td>DESN 471 Senior Exhibition</td>
<td>1, 1, 1</td>
</tr>
<tr>
<td>DESN 490 Senior Capstone</td>
<td>4</td>
</tr>
<tr>
<td>DESN 495 Internship</td>
<td>4</td>
</tr>
<tr>
<td>TECH 393 Technology in World Civilization</td>
<td>4</td>
</tr>
</tbody>
</table>

Electives (9 credits)

Design Elective | 4 |

Total required credits: 104 credits

Total elective credits: 9 credits

Total credits for above major: 113 credits

**MINOR**

**VISUAL COMMUNICATION DESIGN MINOR (25–27 CREDITS)**

A minor in visual communication design will provide students with a foundation in the creative, conceptual and technical skills necessary to understand and participate in the visual communication needs of future professional practice. This minor supports endeavors in visual communication design for print and web, including effective use of design thinking, process and techniques.

Required Courses (13 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>DESN 100 Drawing for Communication</td>
<td>5</td>
</tr>
<tr>
<td>DESN 216 Digital Foundations</td>
<td>4</td>
</tr>
<tr>
<td>TECH 393 Technology in World Civilization</td>
<td>4</td>
</tr>
</tbody>
</table>

**Note:** TECH 393 fulfills the general university requirement for International Studies.

Electives—choose from the following list (12–14 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>DESN 243 Typography</td>
<td>4</td>
</tr>
<tr>
<td>DESN 259 History of Design</td>
<td>4</td>
</tr>
<tr>
<td>DESN 263 Visual Communication Design 1</td>
<td>5</td>
</tr>
<tr>
<td>DESN 275 Digital Audio</td>
<td>4</td>
</tr>
<tr>
<td>DESN 350 Digital Imaging and Photography</td>
<td>4</td>
</tr>
<tr>
<td>DESN 360 Publication Design</td>
<td>4</td>
</tr>
<tr>
<td>DESN 363 Visual Communication Design 2</td>
<td>5</td>
</tr>
<tr>
<td>DESN 366 Prepress Production</td>
<td>4</td>
</tr>
<tr>
<td>DESN 368 Web Design 1</td>
<td>4</td>
</tr>
<tr>
<td>DESN 375 Digital Video</td>
<td>4</td>
</tr>
<tr>
<td>DESN 378 Web Design 2</td>
<td>4</td>
</tr>
</tbody>
</table>

**Required program credits:** 13 credits

**Elective credits:** 12–14 credits

**Total minimum credits for above minor:** 25 credits
Design Courses

Terms offered: fall, winter, spring, summer (FWSU).
If no terms are indicated, check with the department or EagleNET.

DESN 100 Drawing for Communication (5)
This course covers hand-drawing as a design skill. Emphasis is on sketching, design drawing, design process and composition studies for visual presentation and design solutions. Students gain drawing skills such as basics of drawing techniques, basic shapes, line, texture, pattern, gesture and perspective drawing to communicate and present their ideas visually. Students learn and develop critical thinking and creative problem solving skills using the drawing process.

DESN 216 Digital Foundations (4)
Introduction to media design and digital culture using computer software for the creation and manipulation of images and text, file management, and preparation for print, web or multimedia uses.

DESN 243 Typography (4)
Prerequisite: DESN 263.
An introductory-level course concentrating on the fundamentals of typography with emphasis on letterforms, typographic syntax, type specification, type as image and the use of type in a variety of communicative purposes.

DESN 259 History of Design (4)
This course considers the development of design in the broad sense of the term. Beginning with the Industrial Revolution and continuing forward to the present day, this course explores the components of design that have influenced the direction of design thinking.

DESN 263 Visual Communication Design 1 (5)
Note: in order to declare the Visual Communication Design degree, students must earn ≥3.0 grade in this class, in addition to the department requirement ≥2.5 GPA in all DESN coursework.
Prerequisite: DESN 100 and DESN 216.
This course provides an introduction to Visual Communication Design including the theories, principles and practices of visual communication, concept development, design process and design technology.

DESN 275 Digital Sound (4)
Prerequisite: Computer Literacy.
This course provides a foundation in the techniques of sound design, recording, production and editing for digital media. Students will create and record sound files, apply effects and mix and produce a variety of digital audio elements using state-of-the-art digital technology. Applicable uses include websites, games, multimedia products for promotion and learning, entertainment products and virtual worlds.

DESN 300 Visual Literacy (5)
Cross-list: CMST 369.
This course helps students develop the set of skills needed to critically interpret images of the past and present and produce images that effectively communicate, a message to an audience. This includes an awareness of technology’s role in the creation and dissemination of visual communication along with the role of persuasive strategies to target visual consumers. Students will both analyze and produce rhetorical-visual images and develop the skills needed to manage visual representation in a cultural context.

DESN 325 Emergent Design (4)
Prerequisite: DESN 216.
This course explores benefits and risks of new design technologies. Students learn to recognize emergent design technologies and use them to address design problems and explore ways in which new tools reference past in order to create forward thinking design solutions. Through hands-on, project-based learning, students investigate the possibilities inherent in these new technologies.

DESN 355 Motion Design (4)
Prerequisite: DESN 263.
This course explores the principles of design through motion, with an emphasis on effective use of typography, graphical elements, sound and motion within time and space. Students learn how to import precomposed narrative structures, storyboard, output for various devices and problem solve moving image concerns.

DESN 350 Digital Imaging and Photography (4)
Prerequisite: CPLA 101 or CPLA 120.
This introductory course teaches beginning photographers how to improve their photographic technique, use digital cameras for effective visual communication and edit images with professional software tools. Working with their own digital cameras students will practice professional shooting strategies and produce weekly practical and creative photo assignments. Topics include camera theory; digital formats; composition basics; composing within the frame; using natural and artificial lighting; texture, shape, form and line in the photograph; framing with foreground elements; digital darkroom software; repair and retouching; composing, portraitature, scenic and nature photography; product photography, action photography, and close-up photography.

DESN 351 Advanced Photography (4)
Prerequisite: DESN 363.
An extension of DESN 350 with considerable work in advanced enlarging techniques portraiture with emphasis on lighting, architectural photography, slide making, color transparencies and color prints.

DESN 360 Publication Design (4)
Prerequisite: CPLA 101 or CPLA 120.
This course covers principles of design, typography, and the use of graphic files, in both print and digital publication. Professional desktop publishing software and electronic design software are used. Emphasis is on skills required for basic literacy as well as the effective design of common formats such as brochures, newsletters, books and web pages.

DESN 363 Visual Communication Design 2 (5)
Note: in order to advance into Visual Communication Design 3, students must earn at least a 3.0 grade in this class.
Prerequisite: DESN 263 and DESN 265 with a 3.0 or higher.
This course focuses on the interaction of type and image in the visual communication design process. An introduction to type and form and composition will be achieved through a sequence of design projects that emphasize compositional structure. The goal of class projects is the development of compositional and visual literacy using traditional production skills, design processes and specialized computer applications.

DESN 366 Prepress Production (4)
Prerequisite: DESN 263.
This course provides students with theory, knowledge and skill of professional prepress production processes as applied in the professional print production industries. Students gain conceptual understanding and practical skill for digital and print in color theory, color management, production, editing and separation on the computer.

DESN 368 Web Design 1 (4)
This course covers professional web design addressing modern technologies, processes and techniques. This course is intended for students interested in preparing for future web enabled devices, or the progressive enhancement approach. Technologies will include HTML (5) and CSS (3.0).

DESN 374 Brand Thinking and Senior Design (4)
Prerequisite: DESN 363.
This course explores the research and strategies of service design and brand development. Through case study research students learn to understand what constitutes a successful brand solution and how shared community experiences are created.

DESN 375 Digital Video (4)
Prerequisite: DESN 216.
This course offers an introduction to digital video techniques. Students will be introduced to production, editing, theory and practical application for the creation of effective visual communication solutions. Emphasis will be on the creative application of concept and design for the moving image and understanding how to integrate textual, graphical and audio elements for the successful communication of messages created for CD, DVD and the Web.

DESN 378 Web Design 2 (4)
Prerequisite: DESN 368.
This course covers modern user experience (UX) design, rapid prototyping and modern user interface (UI) patterns. Web programming continues to build upon HTML (5), CSS(3.0) and the addition of JavaScript frameworks to complement the progressive enhancement process. This course continues the foundation set by DESN 368.

DESN 385 Advanced Digital Sound (4)
Prerequisite: DESN 275.
This course provides in-depth experience in digital sound creation and editing techniques, along with related hardware and software. Topics include live and studio recording techniques, multi-track project recording, mixing and mastering, and the design and creation of sound tracks, including music, to support and enhance typical media productions. Collaborative and individual projects will be required.

DESN 463 Visual Communication Design 3 (5)
Prerequisites: DESN 243, DESN 363 with ≥3.0.
This course continues the study of visual communication design, combining theoretical studies with applied projects. It emphasizes awareness of contemporary visual culture through analysis of a wide range of design examples and continued refinement of perceptual, problem-solving and creative skills. Students employ effective design processes and solutions for issues and topics relevant to contemporary visual communication design practice.

DESN 468 Web Lab (4)
Prerequisite: DESN 378.
Web Lab is a project- and team-based course focusing on the design and development of experimental websites and web applications. Students are introduced to responsive web design processes, technologies and techniques. Design addresses the challenges of mobile interactions and evolving mobile devices.

DESN 471 Senior Exhibition (1)
Cross-listed: ART 471.
Note: must be repeated three times for credit.
Prerequisites: senior standing and declared BFA in VCD major.
This course entails the individual preparation and presentation of work for senior exhibition.

DESN 474 Advertising Concepts (4)
Prerequisite: DESN 363 and DESN 368.
This course covers principles of advertising design, specifically developing advertising concepts. Open to students in visual communication design, journalism and marketing programs.

DESN 480 Professional Practice (4)
Prerequisite: senior standing.
Professional Practice is the study of the visual design industry from both the agency and freelance perspective.

DESN 481
DESN 490  Senior Capstone (4)
Prerequisites: senior standing; DESN 243, DESN 363, DESN 368.
Satisfies: senior capstone university graduation requirement.
This course expands on previous visual communication design knowledge and skills and also emphasizes communication, collaboration and presentation skills. In teams, students work on a comprehensive design project for a community partner which emphasizes design research and the design processes that lead to creative conceptualization and final design solutions. Students are expected to demonstrate sophisticated design decisions and appropriate design solutions that show a high level of expertise and achievement.

DESN 491  Senior Project (1–10)
Note: graded Pass/Fail.
Prerequisites: senior standing; permission of the instructor.
Independent and/or group study and production of a design project.

DESN 493  Portfolio (2)
Note: may be repeated for credit up to three times.
Prerequisites: DESN 463.
In this course, students have the opportunity to develop portfolio quality work. Emphasis is placed upon content and concept development, problem solving, formal solutions, statements of objectives and presentation.

DESN 495  Internship (2–6)
Note: graded Pass/Fail.
Prerequisites: junior standing; permission of instructor, department chair and college dean.
An internship is on-the-job-training. It exposes students to the professional environment through outside job opportunities in graphic design studios, advertising agencies, corporate communications departments and other acceptable organizations. Students work under the guidance of art directors, creative directors, senior graphic designers or marketing communication managers and perform creative work that is educational and meaningful for their short-term academic goals as well as their long-range career preparation.

DESN 496  Experimental (1–6)

DESN 497  Workshops, Short Courses or Conferences (1–6)

DESN 498  Seminar (1–6)

DESN 499  Directed Study (1–6)
Prerequisites: permission of instructor, department chair and college dean.


UNDERGRADUATE PROGRAM

The Disability Studies Certificate Program is an interdisciplinary program involving multiple academic departments throughout the university. Administratively, it is located in the College of Social & Behavioral Sciences and Social Work drawing students from multiple disciplines from every EWU college. It is offered in both traditional and online educational formats.

Disability Studies is a multidisciplinary field drawing from humanities, liberal arts and the sciences and is taught by faculty from multiple fields and disciplines. The Disability Studies Certificate program, offered at the undergraduate and graduate levels, educates students to develop an understanding of disability, disability culture and people with disabilities as inclusive members of society. The program’s emphasis on universal access complements the university’s mission to prepare its graduates to live and work in a diverse society.

The Disability Studies Certificate program recognizes disability is part of the tapestry of a diverse society. It emphasizes universal access, the philosophy that society should be inclusive of people of all diverse backgrounds and traits and that the responsibility for diversity transcends traditional identity based characteristics. Universal Access (UA) embraces an approach that responsible societies do not just accommodate minorities but are constructed; for all people; majority and minority, typical and atypical.

CERTIFICATE

Student Learning Outcomes—students will:

• demonstrate knowledge of the perceptions and beliefs about disability throughout history and in contemporary society;
• identify disability culture and recognize the contributions of Disabled persons in society;
• display knowledge of how laws and policies influence the lives of people with disabilities;
• analyze societal representations of defining disability including the moral, medical and social models;
• understand disability as a characteristic in the diverse tapestry of society;
• apply the principles of universal access to disability and to other diverse societal characteristics.

DISABILITY STUDIES CERTIFICATE (15 CREDITS)

Disability Studies is a 15 credit hour university Certificate Program that approaches disability as diversity and uses universal access as a theme. To receive the certificate, students must successfully complete each of the required courses.

Required Courses:
DSST 310 Disability, Culture and Society (5)
DSST 410 Disability as Diversity (5)
DSST 490 Senior Capstone: Project in Universal Access (5)

Total credits for above certificate 15 credits

GRADUATE PROGRAM

The Interdisciplinary Disability Studies Program encourages people with a minimum of a bachelor’s degree preparation and who are interested in disability, disability culture, and the lived experiences of persons with disabilities to enroll in the graduate courses offered. Post-baccalaureate students and matriculated graduatated students are invited to enroll in Disability Studies course that are offered in both traditional and online formats. Non-matriculated students will be required to follow university procedures to enroll in the Certificate Program.

GRADUATE CERTIFICATE

GRADUATE CERTIFICATE IN DISABILITY STUDIES (15 CREDITS)

The Graduate Disability Studies Certificate is a 15 credit hour program, consisting of three courses, including a community-based service learning course.

Required Courses:
DSST 501 Disability, Culture and Universal Access in Society (5)
DSST 510 Disability as Diversity (5)
DSST 590 Interdisciplinary Project in Universal Access (5)

Total credits for above certificate 15 credits
Disability Studies
Courses

Terms offered: fall, winter, spring, summer (FWSU). If no terms are indicated, check with the department or EagleNET.

DSST 310 Disability, Culture and Society (5)
Satisfies: cultural and gender diversity university graduation requirement.
This course introduces students to disability as diversity and to the culture of people with disabilities. Historical and contemporary beliefs about disability will be addressed. Universal access will be introduced as an emerging context for disability rights and human rights.

DSST 410 Disability as Diversity (5)
Disability is just one of many manifestations of human diversity. This course has been developed to help explore disability throughout the lifespan and in the social and societal contexts that frame disability experience. Students from multiple fields will develop understanding of disability accommodation and how universal access benefits all of society, including those from majority and minority backgrounds.

DSST 490 Senior Capstone: Project in Universal Access (5)
Prerequisite: DSST 410 or permission of the instructor.
Satisfies: senior capstone university graduation requirement.
This course provides students the opportunity to develop a community-based, service-learning project with colleagues from multiple academic disciplines. Under the direction of the instructor, students participate in a project that addresses universal access in the context of a diverse society. At the discretion of the student’s academic major advisor, it can also serve as a Senior Capstone experience. Weekly lectures will integrate conceptual and practical learning relative to universal access for diverse populations including those with disabilities.

DSST 501 Disability, Culture and Universal Access in Society (5)
Prerequisite: baccalaureate degree or instructor permission.
This course is designed to introduce students to disability from a progressive and contemporary perspective that places disabilities as a component of the diverse tapestry of society. It introduces the principle of universal access (UA): a society developed for all—majority and minority, typical and atypical. It focuses on the reciprocal interactions between disability populations and the economic, physical, social, political, cultural and spiritual environments. It identifies how disability is conceptualized differently in varied contexts and analyzes how disability fits within the contemporary discourse of human diversity in a global context.

DSST 510 Disability as Diversity (5)
Prerequisite: baccalaureate degree or instructor permission.
Disability is just one form of human diversity. This course has been developed to help explore disability throughout the lifespan and in the social and societal contexts that frame the disability experience through the lens of diversity. Students from a variety of fields will develop understanding of how universal access benefits all of society, including those from majority and minority backgrounds.

DSST 590 Interdisciplinary Project in Universal Access (5)
Prerequisite: DSST 510 or instructor permission.
This course provides students the opportunity to develop a community-based service learning project with colleagues from multiple academic disciplines. Under the direction of the instructor, students participate in a project that addresses universal access in the context of diverse societies.
The BAE in Earth and Space Science is for prospective secondary school teachers. The Earth and Space Science major and minor are interdisciplinary, with required courses from geography, geology, physics, chemistry and biology.

General Admissions Requirements for Earth and Space Science
High school students who plan to enter this program are encouraged to take three or four years of both science and mathematics in high school. University students should generally complete their GECR requirements, particularly in the Natural Sciences, prior to entering the program. Students are encouraged to contact the Earth and Space Science advisor to aid them in selecting these GECR courses.

General Degree Completion Requirements for Earth and Space Science
Grade Requirement for BAE
≥2.5 cumulative average
≥2.0 in each course

Generally Earth and Space Science is taught in the junior high school or middle school. Also, it is occasionally taught as a high school elective or in the upper elementary grades.

Required courses in the following programs of study may have prerequisites. Reference the course description section for clarification.

BACHELOR OF ARTS IN EDUCATION (BAE)

Note: see the Education Department for prerequisites, core requirements and additional SLOs.

Student Learning Outcomes—students will:
• demonstrate an understanding of the principles and concepts of Earth and Space Science and apply supporting knowledge of chemistry, biology and physics;
• demonstrate communication skills necessary to teach Earth and Space Science safely and effectively to secondary school students;
• demonstrate an understanding of various methods of science inquiry;
• plan and implement Earth and Space Science lessons aligned with the national and state standards; construct and use effective assessment strategies.

Earth and Space Science/Secondary Major (64–65 credits)

Secondary Education Core (43 credits)

Required Courses (60 credits) cross-listed
CHEM 151 General Chemistry (5)
GEOG 305 Introduction to Oceanography (5)
GEOG 410 Geomorphology (5)
GEOG 314 Weather and Climate (5)
GEOG 121 Physical Geology–The Solid Earth (5)
GEOG 122 Historical Geology (5)
GEOG 311 Earth Materials (4)
GEOG 320 Environmental Geology (4)
PHYS 172 Descriptive Astronomy (5)
PHYS 173 Mechanics Lab (1)
PHYS 174 Mechanics (5)
PHYS 175 Descriptive Astronomy Lab (1)
PHYS 176 Historical Geology (5)
PHYS 177 Historical Geology Lab (1)
PHYS 180 Physics–Surficial Processes (5)
PHYS 212 Descriptive Astronomy (5)
PHYS 213 Mechanics Laboratory (1)
PHYS 215 Mechanics Laboratory (1)
PHYS 216 Historical Geology Laboratory (1)
PHYS 217 Historical Geology Laboratory (1)
SCED 390 Secondary Science Teaching Methods (1)

Electives (4–5 credits)
Students must take 4–5 credits of field-oriented coursework. Select from the list below, or from special field courses in Geography or Geology approved by the Earth and Space Science advisor.

GEOG 201 Introduction to Field Research (5)
GEOG/BIOL 312 Fundamentals of Soil Science (4)
GEOG 315 Surface Hydrology (4)
GEOG 325 Wetland Science I (4)
GEOG 455 Colorado Plateau Geology (4)
GEOL 496 Experimental (Geology Field Trip) (3–5)

Required credits 60 credits
Elective credits 4–5 credits
Minimum total credits for above major 64 credits

Note: The above is an interdisciplinary major. See an advisor to determine if courses required by this major may be taken in partial fulfillment of the gecrs.

Note: the above major takes more than 12 quarters at 15–16 credits a quarter.

Minor

Earth and Space Science/Secondary Minor (32 credits)

This minor satisfies the endorsement for grades 5–12.

Required Courses cross-listed
GEOG 305 Introduction to Oceanography (5)
GEOG 314 Weather and Climate (5)
GEOG 121 Physical Geology–The Solid Earth (5)
GEOG 122 Historical Geology (5)
GEOG 390 Earth Science Teaching Methods (1)
PHYS 121 Descriptive Astronomy (5)
PHYS 122 Descriptive Astronomy (5)
SCED 390 Secondary Science Teaching Methods (1)

Total credits for above minor 32 credits

Course Requirements for Teacher Certification/Add-on Endorsements

General Science/Add-on Endorsement (65 credits)

(For students who currently possess a Washington State Teaching Certificate.) This add-on satisfies the endorsement and allows teachers to teach any science for grades 5–12.

To improve the marketability of the science teacher, students may wish to complete this option in addition to their BAE in Biology, Chemistry, Earth and Space Science or Physics.

Required Courses cross-listed
BIOL 171 Biology I (5)
BIOL 172 Biology II (5)
BIOL 173 Biology III (5)
BIOL 390 Biology Teaching Methods (1)
CHEM 151 General Chemistry (5)
CHEM 152 General Chemistry (5)
CHEM 153 General Chemistry (5)
CHEM 390 Chemistry Methods for the Secondary School (1)
GEOG 314 Weather and Climate (5)
GEOG 120 Physical Geology–The Solid Earth (5)
GEOG 121 Physical Geology–Surficial Processes (5)
GEOG 390 Earth Science Teaching Methods (1)
PHYS 121 Descriptive Astronomy (5)
PHYS 122 Descriptive Astronomy (5)
PHYS 131 Introductory Physics I (4)
PHYS 132 Introductory Physics II (4)
PHYS 161 Mechanics Lab (1)
PHYS 162 Heat and Optics Lab (1)
PHYS 390 Physics Teaching Methods (1)
SCED 390 Secondary Science Teaching Methods (1)

Total credits for above add-on endorsement 65 credits

Courses
See Course Descriptions listed under the participating programs and departments: Biology, Chemistry and Biochemistry, Geography, Geology, Mathematics and Physics.
What can be added to the happiness of a man who is in health, out of debt, and has a clear conscience?
Adam Smith, economist (1723–1790)
UNDERGRADUATE PROGRAMS

The Economics Program offers flexible degree options that can be tailored for a variety of career choices. A Bachelor of Arts (BA) major provides valuable training for students interested in general management positions, public sector careers or attending law school or graduate school in the social sciences with electives in poverty and discrimination, public finance and international economics. A Bachelor of Arts with a Mathematics Option, the Bachelor of Science Option, or the Bachelor of Science with Computing Option provide strong quantitative and analytical training for those considering a career as an analyst or attending graduate school in economics or business with courses in econometrics and mathematical economics. An Economics Minor enhances any EWU major, especially for those interested in social sciences, business or public affairs, with courses in money and banking, industrial organization and political economy. The department also supports health related fields with courses in health economics and risk and insurance.

Economics courses appeal to students who are analytical and problem solvers and interested in social issues or the operation of private organizations. Economics majors have found careers in a wide variety of private and public sector occupations as bankers, union officials, market analysts, managers, stockbrokers, insurance executives, researchers, and legislative staffers. They are employed by port districts, export/import firms, public utilities, consulting firms, railroads, airlines, software firms, aerospace firms and numerous local, state and federal government agencies. Others have gone on to graduate studies at Washington State University, University of Washington, Oregon, Yale, and Purdue; or received law, MBA, MPA, or International Studies degrees.

Prospective majors or those considering a minor or second major should consult with a departmental advisor to design a program consistent with their goals.

General Admissions Requirements for Economics

Upper-division courses in economics assume students have satisfied the university requirement for competency in basic mathematics and English. All programs in the major require some university level mathematics, statistics and computer use. Students are strongly urged to consult with a department advisor early in their academic careers to plan an interesting and efficient program in economics.

Required courses in the following program of study may have prerequisites. Reference the course description section for clarification.

BACHELOR OF ARTS (BA)

Student Learning Outcomes—students will:

• use supply and demand modeling to predict and/or explain some economic event;
• use quantitative skills to analyze economic data;
• understand the use of fiscal and monetary policies in addressing contemporary macroeconomic issues;
• understand and apply the Cost/Benefit Principle to a current socioeconomic issue.

Note: two years of a single high school foreign language or one year of a single college level foreign language is required.

ECONOMICS MAJOR (67–68 CREDITS)

Required Courses (42–43 credits)

ACCT 251 Principles of Financial Accounting (5)
DSCI 245 Data Analysis for Business (4)
ECON 200 Introduction to Microeconomics (5)
ECON 201 Introduction to Macroeconomics (5)
ECON 404 Intermediate Microeconomic Theory (5)*
ECON 405 Intermediate Macroeconomic Theory (5)*
ECON 437 Econometrics (5)
ECON 490 Economics Senior Capstone (5)
FINC 335 Financial Management (4)

Electives (25 credits)

Students may choose any electives from upper-division economics courses not listed above.

Required program credits 42–43 credits
Elective credits 25 credits
Minimum total credits for above major 67 credits

ECONOMICS MAJOR WITH MATHEMATICS OPTION (73–74 CREDITS)

Required Courses (54 credits)

ECON 200 Introduction to Microeconomics (5)
ECON 201 Introduction to Macroeconomics (5)
ECON 404 Intermediate Microeconomic Theory (5)*
ECON 405 Intermediate Macroeconomic Theory (5)*
ECON 430 Mathematical Economics (5)
ECON 437 Econometrics (5)
ECON 490 Economics Senior Capstone (5)
MATH 151 Calculus I (5)
MATH 152 Calculus II (5)
MATH 153 Calculus III (5)
MATH 386 Applied Statistics (4)

Electives (15 credits)

Students may choose any electives from upper-division economics courses not listed above.

Mathematics Electives (4–5 credits)

MATH 231 Linear Algebra (5)
MATH 347 Introductory Differential Equations (4)
MATH 385 Probability and an Introduction to Statistics (4)

Required program credits 54 credits
Economics elective credits 15 credits
Mathematics elective credits 4–5 credits
Minimum total credits for above major 73 credits

Note: *in order to graduate with a BA in Economics, students must complete ECON 404 and ECON 405 with a minimum grade ≥2.0 and the cumulative GPA for all courses completed towards the major must be ≥2.0.
**BACHELOR OF SCIENCE (BS)**

**ECONOMICS MAJOR (68–70 CREDITS)**

**Notes:** *in order to graduate with a BS in Economics, students must complete ECON 404 and ECON 405 with a grade point ≥2.0 and the cumulative GPA for all courses completed towards the major must be ≥2.0.

**Economics Required Core (44–45 credits)**
- ECON 200 Introduction to Microeconomics (5)
- ECON 201 Introduction to Macroeconomics (5)
- ECON 405 Intermediate Microeconomic Theory (5)*
- ECON 405 Intermediate Macroeconomic Theory (5)*
- ECON 430 Mathematical Economics (5)
  - or ECON 438 Econometrics II (5)
- ECON 437 Econometrics (5)
- ECON 490 Economics Senior Capstone (5)
- MATH 200 Finite Mathematics (5)
  - or MATH 161 Calculus I (5)

One introductory statistics course from the following list:
- DSCI 245 Data Analysis for Business (4)
- MATH 380 Elementary Probability and Statistics (5)
- MATH 385 Probability and an Introduction to Statistics (4)

A statistics course approved by the department chair (4 or 5)

**Electives (24–25 credits)**

Students may choose any electives from upper-division economics courses (not selected above). In addition to upper division economics courses, the following course may be taken for elective credit:
- FINC 335 Financial Management (4)

**Required program credits**
- 44–45 credits

**Elective credits**
- 24–25 credits

**Minimum total credits for above major**
- 68 credits

**ECONOMICS COMPUTING OPTION (72–73 CREDITS)**

**Note:** *in order to graduate with a BS in Economics, students must complete ECON 404 and ECON 405 with a grade ≥2.0 and the cumulative GPA for all courses completed towards the major must be ≥2.0.

**Required Core (45 credits)**
- ECON 200 Introduction to Microeconomics (5)
- ECON 201 Introduction to Macroeconomics (5)
- ECON 404 Intermediate Microeconomic Theory (5)*
- ECON 405 Intermediate Macroeconomic Theory (5)*
- ECON 430 Mathematical Economics (5)
- ECON 437 Econometrics (5)
- ECON 438 Econometrics II (5)
- ECON 490 Economics Senior Capstone (5)
- MATH 161 Calculus I (5)

**Math Supporting (9–10 Credits)**
- MATH 301 Discrete Mathematics (5)
- MATH 380 Elementary Probability and Statistics (5)
  - or MATH 385 Probability and an Introduction to Statistics (4)

**Computing Related Courses (18 credits)**
- CSCI 110 Introduction to Programming (5)
- CSCI 255 C Programming for Engineers (5)
- CSCI 327 Relational Database Systems (4)
- MENG 201 Introduction to MATLAB (4)
  - or CSCI 409 Scientific Programming (4)

**Required program credits**
- 45 credits

**Required math supporting credits**
- 9–10 credits

**Required computing course credits**
- 18 credits

**Total minimum credits for above major**
- 72 credits

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**MINORS**

**ECONOMICS MINOR (20 CREDITS)**

**Required Courses (10 credits)**
- ECON 200 Introduction to Microeconomics (5)
- ECON 201 Introduction to Macroeconomics (5)

**Electives (10 credits)**
- Select upper-division courses in Economics.

**Required program credits**
- 10 credits

**Elective credits**
- 10 credits

**Total credits for above minor**
- 20 credits

**GENERAL EDUCATION ECONOMICS MINOR (20 CREDITS)**

**Required Courses (5 credits)**
- ECON 100 General Education Economics (5)

**Electives—select three courses from the following list (15 credits)**
- ECON 412 Economic History of the United States (5)
- ECON 415 History of Economic Thought (5)
- ECON 417 Political Economy (5)
- ECON 424 Economics of Poverty and Discrimination (5)

**Required program credits**
- 5 credits

**Elective credits**
- 15 credits

**Total credits for above minor**
- 20 credits

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**GRADUATE PROGRAM**

The Department of Economics does not offer a graduate degree program but does support the College of Business and Public Administration by offering upper-division and graduate courses in economics. Students considering selecting economics courses for elective graduate credit should consult with their advisor.
Economics Courses

Terms offered: If no terms are indicated, check with the department or EagleNET.

ECON 100 General Education Economics (5)  
Satisfies: the GECF for social sciences, list 1, economics and government.  
General consideration of economic reasoning and methodology through examination of fundamental concepts in micro- and macroeconomics and through extension and applications of economic theory.

ECON 200 Introduction to Microeconomics (5)  
Satisfies: the GECF for social sciences, list 1, economics and government.  
Prerequisite: MTHD 104 completed.  
Examines the general functioning of a price system using fundamentals of supply and demand. Explores the variety of market forms, theory of factor incomes and the effects of government intervention to promote efficiency and equity.

ECON 201 Introduction to Macroeconomics (5)  
Satisfies: the GECF for social sciences, list 1, economics and government.  
Prerequisite: MTHD 104 completed.  
Reviews national income accounts and the determinants of national income and employment for an economy. Explores the impact of monetary and fiscal policy on aggregate performance and considers specific problems such as full employment, inflation, economic growth and international economic relations.

ECON 300 Microeconomics (5)  
Prerequisite: MTHD 104 completed.  
Accelerated introduction to microeconomics for students in professional programs; substitutes for ECON 200.

ECON 301 Macroeconomics (5)  
Prerequisite: MTHD 104 completed.  
Accelerated introduction to macroeconomics for students in professional programs; substitutes for ECON 201.

ECON 399 Special Studies (1–5)  
Prerequisites: ECON 200 or ECON 201 or permission of the instructor, department chair and college dean.  
Subjects vary according to faculty and student interest.

ECON 404 Intermediate Microeconomic Theory (5)  
Prerequisites: ECON 200 and ECON 201 or instructor permission.  
Theoretical basis of exchange, production, private markets and their forms, income distribution, the public sector, resource allocation, welfare economics and application of economic theory to public and private decision making.

ECON 405 Intermediate Macroeconomic Theory (5)  
Prerequisites: ECON 200 and ECON 201 or instructor permission.  
With reference to historical experiences, a theoretical framework is developed to explain the determination of output, employment, price level, interest rate and economic growth of an aggregate economy. Using case studies, policy implications and alternatives are explored.

ECON 412 Economic History of the United States (5)  
Cross-listed: HIST 487.  
Prerequisite: junior standing.  
Economic development of the United States from the early colonial period to the present: explorations, westward movement, labor, rise of great industries, world trade and post-war economic problems.

ECON 415 History of Economic Thought (5)  
Prerequisite: junior standing.  
Economic thought from the early 20th century; special attention to selected writers including Aristotle, the Mercantilists, the Physiocrats, Hume, Smith, Malthus, Ricardo, Marx, the Marginalists and Marshall.

ECON 417 Political Economy (5)  
Prerequisite: junior standing.  
How public decisions can be made more rational, more productive of welfare, or more in the general interest. Selected literature from economics, political science and related disciplines provides an analytical framework for the discussion of a number of social problems.

ECON 421 Labor Economics (5)  
Prerequisite: ECON 200 or instructor permission.  
Supply and demand for labor and important institutions in the labor market, especially the upgrading of labor via education and vocational training, the mobility of labor, the influence of trade unions on wages, the effects of race and sex discrimination on wages and labor's inflation unemployment problems.

ECON 424 Economics of Poverty and Discrimination (5)  
Cross-listed: AAST 424, WMST 426.  
Prerequisite: junior standing.  
Satisfies: cultural and gender diversity university graduation requirement.  
Causes of poverty and evaluation of anti-poverty programs. Discussion of discrimination from different perspectives with a particular focus on issues of gender and race.

ECON 427 The Economics of Women and Work (5)  
Cross-listed: WMST 427.  
Prerequisite: junior standing.  
Satisfies: cultural and gender diversity university graduation requirement.  
Economic impact of the increasing participation of women in the paid labor force of the United States. Economic theories of labor force participation, discrimination and occupational segregation. Current issues such as comparable worth, affirmative action, nontraditional careers, corporate policies, sexual harassment, child care and social welfare programs.

ECON 429 Women and Men in the U.S. Economy (1)  
Cross-listed: WMST 402.  
In the course we examine the economic activity and labor force participation of women and men in the United States. Employment issues, such as labor market discrimination, affirmative action and comparable worth will be discussed. Other topics include income distribution, poverty, welfare programs and the tax system.

ECON 430 Mathematical Economics (5)  
Prerequisites: ECON 200 and MATH 161.  
Mathematical methods and techniques applied to economic problems.

ECON 437 Econometrics (5)  
Prerequisites: ECON 200 and ECON 201 and DSCI 245 or MATH 380 or MATH 385 or instructor permission.  
Using appropriate statistical software packages for empirical analysis, examines applications of linear regression and hypothesis testing to provide information for economic and business decision-making.

ECON 438 Econometrics II (5)  
Prerequisites: ECON 200 and instructor permission.  
This course extends the modeling, estimation, inference and forecasting tools to include moment-based estimation, simultaneous equations models, non-stationary data and co-integration, VAR and ARCH models.

ECON 444 Money and Banking (5)  
Prerequisite: ECON 200 and ECON 201 or instructor permission.  
Reviews contemporary U.S. banking practices and regulations; surveys theories of interest rates and bank behavior; surveys monetary policies and determinants and effects of Federal Reserve policies.

ECON 445 Insurance and Risk (5)  
Prerequisite: ECON 200 or instructor permission.  
This course examines the principles of insurance and ways of managing risk. It includes discussion of the development and forms of private and social insurance programs.

ECON 450 Public Finance and Public Policy (5)  
Prerequisite: ECON 200 or instructor permission.  
Examines the causes and consequences of government in the U.S. economy and impact of government expenditure and revenue-raising activities.

ECON 452 Health Economics (5)  
Prerequisite: ECON 200 or instructor permission.  
Examines economic aspects of health care, including factors influencing the demand and supply of health services and the roles of insurance and government in health care markets.

ECON 454 Sports Economics (5)  
Prerequisite: ECON 200 or instructor permission.  
This course uses microeconomic principles to examine the behavior of individuals, teams, leagues, unions and government in the production and consumption of sports entertainment. Topics covered include: competitive balance, salary caps, stadium financing and collective bargaining.

ECON 457 Natural Resource Economics (5)  
Prerequisite: ECON 200 or instructor permission.  
Uses microeconomic reasoning and models to examine the allocation and management of non-renewable and renewable resources such as land, water, fossil fuels and mineral resources, fisheries and forests.

ECON 458 Regional Economics (5)  
Prerequisite: ECON 200 or instructor permission.  

ECON 470 International Economics (5)  
Prerequisites: ECON 200 and ECON 201 or instructor permission.  
Satisfies: international studies university graduation requirement.  
Interaction of national economics and the problems arising there from, particularly trade and payments problems and the development of regional and international economic institutions.

ECON 474 International Finance (5)  
Prerequisites: ECON 200 and FINC 355 or instructor permission.  
The material in this course develops a general framework to analyze international financial markets, exchange rates, exchange rate derivatives and open macroeconomic economies.

ECON 475 Economic Development (5)  
Prerequisites: ECON 200 and ECON 201 or instructor permission.  
Satisfies: international studies university graduation requirement.  
Development prospects of present-day underdeveloped countries. Historical development of industrial countries by analogy. Attention given to both economic and non-economic factors in the development process and to population problems and human resource development.
ECON 490  Economics Senior Capstone (5)
Prerequisites:  ECON 437 and senior standing.
Satisfies:  senior capstone university graduation requirement.
This course includes four components: (1) review of modern theories of employment, job search and wage determination (2) portfolio preparation (3) program assessment and (4) a final economics project.

ECON 495  Internship (3–5)
Prerequisites:  permission of the instructor, department chair and college dean.

ECON 497  Workshops, Short Courses, Conferences (1–5)

ECON 498  Seminar (3–5)

ECON 499  Directed Study (1–5)
Prerequisites:  permission of the instructor, department chair and college dean. ECON 200 and ECON 201 and at least 5 credits of prior 400 level ECON courses.
Independent study projects in selected fields of economics. Limited to senior and graduate students.

ECON 598  Graduate Seminar (1–4)
Prerequisites:  permission of the instructor.
Variable topics.

ECON 599  Independent Study (1–4)
Prerequisites:  permission of the instructor, department chair and college dean.

ECON 696  College Teaching Internship (1–4)
Teaching a lower-division college course under supervision of a regular faculty member. Includes course planning, arranging bibliographical and other instructional aids, conferences with students, experience in classroom instruction and student course evaluation.

An education isn’t how much you have committed to memory, or even how much you know. It’s being able to differentiate between what you know and what you don’t.
Anatole France (1844–1924)

Department of Education Mission
Our mission is to prepare student-centered teachers and leaders who are caring, effective, informed, reflective graduates who successfully engage all learners in diverse schools, communities and global contexts.

Washington Teacher Certification
The state of Washington issues two basic teaching certificates: The Residency Teaching Certificate and the Professional Teaching Certificate. Each certificate issued requires payment of a state fee plus an EWU processing fee. In addition, the teacher candidate must give evidence of good character and fitness, including a Washington State Patrol and FBI clearance.

The Residency Teaching Certificate
This Certificate is awarded upon completion of a baccalaureate degree and the Professional Education Program requirements. This teaching certificate allows the holder to teach in the state of Washington within the endorsement areas approved by the university. An endorsement is an authorization to teach a specific subject (or to perform a specific type of service) at particular grade level(s) and an indication of such will appear on the Residency and Professional Certificates. The Residency Teaching Certificate is valid until the teacher has provisional status as a teacher.

The Residency Renewal Certificate is valid five years from when the teacher first completes provisional status or two years of teaching in a state board of education approved school.

The state of Washington requires teacher education candidates admitted to teacher preparation programs beginning September 1, 2002 to pass the Washington Education Skills Test–Basic (WEST-B) in order to receive a Residency Certificate. Beginning September 1, 2009, candidates are required to pass the WEST-E subject matter test to receive an endorsement for certification purposes.

UNDERGRADUATE PROGRAMS

Teaching is among the most challenging and personally rewarding of professions. The essential role of the professional educator is to bring together his/her knowledge of subject matter, instructional strategies and interpersonal skills to provide learning experiences for students. In addition, the contemporary teacher must be able to individualize instruction, must be sensitive to developmental and socio-cultural issues involving the learner, make adjustments to instruction based on assessment and provide evidence of positive impact on student learning.

The EWU Department of Education offers a comprehensive Teacher Certification program, culminating with a baccalaureate degree and a Residency Teaching Certificate, to candidates who wish to teach in either P-3, elementary or secondary school settings.

To obtain a Bachelor of Arts in Education degree, a candidate must satisfy the General Education Requirements (GER), Professional Education Program requirements and major fields of study requirements of Eastern Washington University. Upon satisfying requirements for the baccalaureate degree, the candidate may be eligible to receive a Residency Teaching Certificate from the state of Washington, providing he/she meets academic certification and good character and fitness including WSP/FBI clearance.

Note: disclaimer: the final authority for approval of certification endorsements resides within the State Board of Education and in the event the State Board changes certification requirements the student must adhere to the new requirements.

Undergraduate Program Goals of the Department of Education

• To prepare teachers who can provide leadership and cope with the complex problems of rural and urban society. In compliance with the Washington Office of Superintendent of Public Instruction (OSPI), Professional Education Standards Board (PESB) standards, the Department of Education for the university provides a professional education program which prepares students for teaching at the P-3, elementary and secondary level.

• To promote research designed to investigate best practices for the instruction of and learning by P/K-12 candidates.

• To ensure continuous involvement in programs designed to reform and improve the quality of instructional techniques and theory.

• To provide for university students solid, contemporary and challenging instructional programs that are theoretically sound and experientially based.

Statement of Assurance

EWU’s Department of Education assures that each candidate is able to apply the teaching strategies, the classroom management/school discipline methods and the measurement and evaluation process necessary for success as a first-year certificated teacher.

This assurance guarantees that the candidate has successfully completed EWU’s (Department of Education) Teacher Education Program, as approved by PESB. The assurance is contingent upon appropriate placement of the candidate within certification endorsement areas.

In the event the candidate displays a lack of competency in any of these pedagogical practices during the first year of teaching experience, EWU’s Department of Education will cooperate with the school district to assist the candidate in improving his/her performance. EWU services will be provided at no cost to the school district or to the candidate.

This assistance will be offered by faculty members from the Department of Education and by appropriate faculty members from the Departments of Art, Biology, Business Education, Chemistry, Child Development, English, French, Health, History, Mathematics, Music, Physical Education, Social Studies.

Grade Requirements

≥2.0 in each course for program prerequisites, professional education core, major and minor and cultural and gender diversity (some majors/minors require higher than a 2.0 in each course); ≥2.5 GPA in each requirement area: major, minor and professional education core.
TEACHER EDUCATION PROGRAM REQUIREMENTS

STEP 1. COMPLETE PREREQUISITES TO EDUC 200

- An Application for Admission is required for the Education Program. Application deadlines apply.
- A grade ≥ 2.0 in all prerequisite courses is required.
- GPA Requirement: a minimum ≥ 2.5 GPA calculated on most recent 45 quarter credits.
- Pass Washington Educator Skills Test-Basic (WEST-B): refer to www.west.nesinc.com for information on this Reading, Mathematics and Writing basic skills test. Satisfactory SAT or ACT scores may waive all or part of the WEST–B requirement. Please see an advisor in the education department.
- Speech Requirement: CMST 200 (4) or an approved equivalent.
- English Requirement: ENGL 101 (5) and ENGL 201 (5) or equivalent.
- Mathematics Requirement:
  MATH 211 is required for Elementary, P–3, and Special Education Dual Programs.
  MATH 107 or an approved equivalent is required for Secondary Program.
  Special Education Only students can choose to complete either MATH 211 and MATH 212 or MATH 107 math requirement.

STEP 2. MAJOR/MINOR/ENDORSEMENT OPTIONS

Note: It is important to work with an advisor early in your program to help you plan your schedule.

<table>
<thead>
<tr>
<th>P-3</th>
<th>Elementary</th>
<th>Secondary</th>
</tr>
</thead>
<tbody>
<tr>
<td>Candidates must declare Early Childhood Education. The BAE in ECE is an endorsement.</td>
<td>Elementary teaching candidates must declare a major. Contact the academic major and minor department for advisement and signature of agreement for completion of requirements.</td>
<td>Secondary teaching candidates must declare a major. Contact the academic major and minor departments for advisement and signature of agreement for completion of requirements. Candidates are encouraged to complete more than one endorsement in order to increase their employability.</td>
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</tbody>
</table>
| **Major** Early Childhood Education | **Majors**
  *These majors meet an endorsement.*
  **Middle Level Mathematics**
  **Middle Level Natural Science**
  **These majors meet a K-12 endorsement.**
  *Art*
  **French**
  **Literacy, Reading, and Writing**
  **Health/Fitness**
  **Music**
  **Spanish**
  *These majors do not meet an endorsement.*
  Early Childhood Education
  Mathematics
  Social Studies
| **Minors (Endorsements)**
  Art
  English as a Second Language
  Environmental Education
  French
  German
  Theatre | **Minors (Endorsements)**
  Art
  Biology
  Business and Marketing Education
  Chemistry
  Earth and Space Science
  English
  French
  Health/Fitness
  Mathematics
  Music
  Physics
  Reading
  Social Studies
  Spanish |
STEP 3 PROFESSIONAL EDUCATION CORE REQUIREMENTS

- After the prerequisite courses have been met and an application for admission has been received, students will be eligible for consideration for EDUC 200 Admission to Teacher Education Program (1)
- Formal admission to the Teacher Education Program is contingent upon passing EDUC 200.
- Certification Eligibility: each candidate will be asked to give evidence of good character and fitness including submission of fingerprints for WSP/FBI background check.
- Candidates will meet with major advisor to complete a program plan.

ELEMENTARY EDUCATION REQUIRED CORE (70 CREDITS)

There are science and social science courses that are strongly recommended for the Elementary Education candidate. See the general requirements section of this catalog. Please see an Education advisor for clarification.

- ART 390 Art in the Elementary School (3)
- EDUC 200 Admission to the Teacher Education Program (1)
- EDUC 201 Introduction to Education (3)
- EDUC 303 Foundations of Assessment (5)
- EDUC 304 Introduction to Elementary Reading (3)
- EDUC 308 Foundations of Elementary Classroom Management (3)
- EDUC 310 Literacy Methods, Management and Assessment in the Elementary School (4)
- EDUC 338 Language Arts Methods, Management and Assessment in the Elementary School (4)
- EDUC 339 Social Studies and Science Methods, Management and Assessment in the Elementary School (5)
- EDUC 420 Admission to Professional Candidacy (1)
- EDUC 423 Elementary Student Teaching K–8 (15)
- MATH 212 Structure of Elementary Mathematics I (5)
- MTED 390 Methods of Teaching Elementary School Mathematics (5)
- MUSC 450 Integrating Music into Elementary Classroom Courses (3)
- PHED 390 Health and Physical Education in the Elementary Schools (3)
- PSY 304 Educational Psychology (5)
- SPED 363 Introduction to Special Education (4)
- 30–hour multicultural education field requirement

SECONDARY EDUCATION REQUIRED CORE (43 CREDITS)

- EDUC 200 Admission to the Teacher Education Program (1)
- EDUC 201 Introduction to Education (3)
- EDUC 303 Foundations of Assessment (5)
- EDUC 309 Foundations of Secondary Classroom Management (3)
- EDUC 341 Secondary Strategies Management, Assessment (4)
- EDUC 413 Content Area Literacy, Management Assessment for Secondary Education Candidates (4)
- EDUC 420 Admission to Professional Candidacy (1)
- EDUC 426 Secondary Student Teaching 7–12 (15)
- PSY 304 Educational Psychology (5)
- SPED 363 Introduction to Special Education (4)
- 30–hour multicultural education field requirement

P–3 EDUCATION REQUIRED CORE (55 CREDITS)

The program in Early Childhood consists of an academic major in Early Childhood Education and a sequence of professional certification courses that lead to teacher licensure Pre-Kindergarten–third grade. Upon completion of the program, candidates can work in, childcare centers, preschools, Head Start Programs, ECEAP programs, blended preschools and primary grades especially in full day kindergartens in the public schools. The course work offers a combination of theory, methods and field experiences in a variety of early childhood education settings.

Required Courses in the Early Childhood Professional Sequence
- ART 390 Art in the Elementary School (3)
- EDUC 200 Admission to the Teacher Education Program (1)
- EDUC 338 Language Arts Methods, Management and Assessment in the Elementary School (4)
- EDUC 339 Social Studies and Science Methods, Management and Assessment in the Elementary School (4)
- MATH 212 Structure of Elementary Mathematics I (5)
- MTED 390 Methods of Teaching Elementary School Mathematics (5)
- PHED 390 Health and Physical Education in the Elementary School (3)
- SPED 363 Introduction to Special Education (4)
- SPED 412 Introduction to Early Childhood Special Education (4)

Internship Coursework
- EDUC 420 Admission to Professional Candidacy (1)
- EDUC 423 Elementary Student Teaching K–8 (15)
- EDUC 495A Education Internship for Early Childhood Education (15)
- EDUC 498 Seminar (1)

- EDUC 498 Seminar (1)

- EDUC 498 Seminar (1)
The student planning to student teach must have satisfied the application/admission steps and must have completed the following clearances verified in EDUC 420:

- three-fourths of the total credit hours in his/her major
- all major and professional education program core courses
- have current WSP/FBI Clearance
- must have completed program core

Application for Student Teaching

During EDUC 420 the candidate must submit the Application for Professional Admissions and Student Teaching. With permission of the department he/she must register for the student teaching course. The student teacher candidate who does not meet stated deadlines may not be eligible for placement.

Student Teaching

The purpose of student teaching is to provide the teacher candidate with direct teaching/learning experience in P–12 public schools. The candidate has the opportunity during this time to observe teachers, to plan and teach under the supervision of cooperating teachers, to participate in the total school program for a full quarter and demonstrate PESB approved program standards. Placement is contingent upon availability and acceptance by schools.

The teacher candidate is required to enroll 15 credits of student teaching. These credits are to be earned in one quarter or in an approved alternative program. Typically the candidate is assigned full time to a P–12 public school. The student teaching assignment is considered a full student credit load and no additional credits may be earned during the quarter except by written consent. Student teaching may be done in selected public school districts throughout the state of Washington.
**BACHELOR OF ARTS IN EDUCATION (BAE)**

**Student Learning Outcomes**—teacher candidates will:

- use multiple instructional strategies to address individual student needs;
- integrate subjects across content areas;
- use a variety of assessments to monitor and improve instruction;
- create a safe, productive learning environment;
- plan and/or adapt curricula for diverse student needs;
- ensure that students can articulate learning targets and can monitor their own progress toward those targets;
- plan Standards-driven curricula to develop student capacity for problem-solving strategies in content areas;
- prepare responsible citizens for a diverse society;
- ensure cultural competence in teaching;
- integrate technology into their classrooms and/or planning;
- involve and collaborate with student families and community;
- utilize feedback and reflection to improve teaching practice;
- collaborate in and contribute to school improvement;
- demonstrate knowledge of responsibilities and policies related to the teaching profession.

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**EARLY CHILDHOOD EDUCATION MAJOR (44–46 CREDITS)**

Students can choose either Elementary Core or P-3 Core with the Early Childhood major.

**ELEMENTARY EDUCATION CORE (70 CREDITS)**

The BAE in Elementary Education prepares teacher candidates to teach in grades K–8 in all aspects of literacy. Candidates completing the ECE WEST E will satisfy the requirements for Teaching Certificate in the state of Washington. Candidates who choose the P–3 Core will be certified in grades P–3. Candidates who choose the Elementary Core will be certified in grades K–8.

**Major courses required**

- EDUC 306 Introduction to Early Childhood Education (1)
- EDUC 439 Seminar: Topics in Education (4)
- EDUC 455 Perspectives of Early Childhood Education (3)
- EDUC 456 Integrated Early Childhood Practices (5)
- EDUC 457 Collaborative Reflective Teaching in Early Childhood Education (3)
- EDUC 458 Learning Paradigm in Early Childhood Education (5)
- EDUC 479 Early Literacy (3)
- EDUC 480 Educating Young Children with Diverse Backgrounds (3)
- EDUC 487 Early Learning Concepts (4)
- EDUC 493 Early Childhood Education Assessment (5)

**Capstone (4–5)**

An approved departmental or other Senior Capstone

**Electives—choose one (4–5)**

- PSYC 305 Child and Adolescent Development (4)
- or SOC 483 Sociology of Children (5)
- or department-approved ECE elective course

**Required major courses**

| Minimum total credits for above major | 44–46 credits |

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**LITERACY, READING AND WRITING / ELEMENTARY OR SECONDARY MAJOR (38–50 CREDITS)**

Students can choose either the Elementary or the Secondary Core with the Literacy, Reading and Writing major.

**ELEMENTARY EDUCATION CORE (70 CREDITS)**

The BAE in Literacy, Reading and Writing prepares teacher candidates to teach in grades P–12 in all aspects of literacy. Candidates completing a major in Literacy, Reading and Writing will demonstrate proficiency in the Reading Endorsement competencies through the state of Washington.

This major satisfies the endorsement for preschool to grade 12.

**Required Courses (38–50 credits)**

- EDUC 304 Introduction to K–8 Literacy (3)*
- EDUC 305 Children’s Literature Study and Use (4)
- EDUC 310 Literacy Methods, Management and Assessment in the Elementary School (4)
- EDUC 320 Assessing and Differentiating Literacy Instruction (4)
- EDUC 401 Young Adult Literature Study and Use (4)
- EDUC 411 Literacy for Linguistically and Culturally Diverse Learners (4)
- EDUC 416 Writing Processes Across the Curriculum (4)

**Note:** EDUC 304 and EDUC 310 are in the elementary core. Secondary majors must take both.

**Capstone: must be taken concurrently**

- EDUC 410 Literacy Major Capstone (5)
- EDUC 494 Literacy Seminar and Practicum (6)

**Note:** MTED 390 is a prerequisite for EDUC 494.

**Choose one**

- EDUC 412 Content Area Literacy, Management and Assessment for Reading Majors and Minors (4)
- EDUC 413 Content Area Literacy, Management Assessment for Secondary Education Candidates (4)

**Note:** secondary majors must choose EDUC 413.

**Electives—choose one**

- EDUC 323 A Global View through Children’s Literature (5)
- ENGL 360 Language Structure and Use (5)
- THTR 326 Creative Dramatics (3)

**Required major courses**

| Total minimum credits for the above major | 38 credits |

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## MINORS

### EARLY CHILDHOOD EDUCATION/ELEMENTARY MINOR (18 CREDITS)

This minor does not meet a state of Washington endorsement.

<table>
<thead>
<tr>
<th>Required Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDUC 306 Introduction To Early Childhood Education</td>
</tr>
<tr>
<td>EDUC 455 Perspectives of Early Childhood Education</td>
</tr>
<tr>
<td>EDUC 456 Integrated Early Childhood Practices</td>
</tr>
<tr>
<td>EDUC 457 Collaborative Reflective Teaching in Early Childhood Education</td>
</tr>
<tr>
<td>EDUC 479 Early Literacy</td>
</tr>
<tr>
<td>EDUC 480 Educating Young Children with Diverse Backgrounds</td>
</tr>
</tbody>
</table>

**Total credits for above minor** 18 credits

### ENVIRONMENTAL EDUCATION/ELEMENTARY MINOR AND MIDDLE LEVEL ENDORSEMENT (23 CREDITS)

This minor does meet a state of Washington endorsement.

<table>
<thead>
<tr>
<th>Foundational Required Course (5 credits)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENVS 100 Introduction to Environmental Science (5)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Required Courses (18 credits)</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL/HUMN 320 The Human Prospect (5)</td>
</tr>
<tr>
<td>or PHIL 447 Environmental Ethics (5)</td>
</tr>
<tr>
<td>EDUC 440 Seminar in Environmental and Sustainability Education (2)</td>
</tr>
<tr>
<td>EDUC 490A Senior Capstone: Natural Resources (4)</td>
</tr>
<tr>
<td>GEOL 380, World Resources and Population (5)</td>
</tr>
<tr>
<td>TECH 454 Environmental Engineering (2)</td>
</tr>
</tbody>
</table>

**Total credits for above minor** 23 credits

### LITERACY, READING AND WRITING ELEMENTARY OR SECONDARY MINOR (20 CREDITS)

This minor does not meet a state of Washington endorsement.

<table>
<thead>
<tr>
<th>Required Courses (16 credits)</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDUC 305 Children's Literature Study and Use (4)</td>
</tr>
<tr>
<td>EDUC 320 Assessing and Differentiating Literacy Instruction (4)</td>
</tr>
<tr>
<td>EDUC 411 Literacy for Linguistically and Culturally Diverse Learners (4)</td>
</tr>
<tr>
<td>EDUC 416 Writing Processes Across the Curriculum (4)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Choose one elective (4 credits)</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDUC 401 Young Adult Literature Study and Use (4)</td>
</tr>
<tr>
<td>EDUC 412 Content Area Literacy, Management and Assessment for Elementary (4)</td>
</tr>
<tr>
<td>EDUC 413 Content Area Literacy, Management Assessment for Secondary Education Candidates (4)</td>
</tr>
</tbody>
</table>

**Total credits for above minor** 20 credits

### Course Requirements for Teacher Certification/Add-on Endorsements

#### ELEMENTARY EDUCATION/ADD-ON ENDORSEMENT (48 CREDITS)

(For candidates who currently possess a Washington State Teaching Certificate.) This add-on satisfies the endorsement for Kindergarten to grade 8. Must have a current Washington State Patrol form.

**Note:** see Williamson Hall 310 before registering for these courses.

<table>
<thead>
<tr>
<th>Required Courses</th>
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</thead>
<tbody>
<tr>
<td>ART 390 Art in the Elementary School (3)</td>
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<tr>
<td>EDUC 304 Introduction to Elementary Reading (3)</td>
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<tr>
<td>EDUC 308 Foundations of Elementary Classroom Management (3)</td>
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<tr>
<td>EDUC 310 Literacy Methods, Management and Assessment in the Elementary School (4)</td>
</tr>
<tr>
<td>EDUC 338 Language Arts Methods, Management and Assessment in the Elementary School (4)</td>
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<tr>
<td>EDUC 339 Social Studies and Science Methods, Management and Assessment in the Elementary School (5)</td>
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<tr>
<td>MATH 211 Structures of Elementary Mathematics I (5)</td>
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<td>MATH 212 Structures of Elementary Mathematics II (5)</td>
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<tr>
<td>MATH 390 Methods of Teaching Elementary School Mathematics (5)</td>
</tr>
<tr>
<td>MUSC 450 Integrating Music into Elementary Classroom Courses (3)</td>
</tr>
<tr>
<td>PHED 390 Health and Physical Education in the Elementary School (3)</td>
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<tr>
<td>PSYC 304 Educational Psychology (5)</td>
</tr>
</tbody>
</table>

**Minimum total credits for above add-on endorsement** 48 credits

There are science and social science courses that are strongly recommended, but not required. Content from these courses will appear on the WEST E.*

- BIOL 115 Investigating Biology (5)*
- or BIOL 100 Introduction to Biology (5)
- or an approved life science class with a lab
- GEOG 101 Fundamentals of Human Geography (5)*
- or GEOG 230 World Regional Geography (5)
- GEOG/GEOL 115 Investigating Earth Science (5)*
- or an approved research science class with a lab
- HIST 104 East Asia: Tradition and Transformation (5)*
- or HIST 106 Western Heritage: 18th Century to the Present (5)
- HIST 110 The American Experience: A Survey (5)*
- PHYS 115 Investigating Physical Science (5)*
- or an approved physical science class with a lab

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*Minimum total credits: 48 credits*
The programs available through the Department of Education are designed to provide opportunities for graduate candidates who desire advanced training in education. The MEd program offers your choice of option depending on your interests and certification status.

Options under M.Ed. in Education Degree

Curriculum and Instruction

<table>
<thead>
<tr>
<th>Literacy</th>
<th>Certification Required</th>
</tr>
</thead>
<tbody>
<tr>
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</tbody>
</table>

All Options Include Common Core Requirements (25 credits)

- Psychological Foundations
  - EDUC 522 Transformation of Learning & Teaching (4)
  - PSYC 515 Advanced Educational Psychology (4)

- Historical, Philosophical and Social Foundations of Education (choose two)
  - EDUC 502 History of American Education (4)
  - EDUC 507 Philosophy and Organization of the American School (4)
  - EDUC 505 Current Issues in Education (4)
  - EDUC 506 Educational Sociology (4)

- Research and Applied Experience
  - EDUC 520 Methods of Educational Research (4)
  - EDUC 600 Thesis (5)
  - EDUC 601 Research Report (5)
  - EDUC 695 Internship (4)

- MIT Secondary Teaching (5–12)
  - Earn Certification + M.Ed.

- MIT Elementary Teaching (K–8)
  - Earn Certification + M.Ed.

- Literacy Option

- Student Learning Outcomes—students will:
  - demonstrate advanced research based knowledge and skills in curriculum and instruction in a selected area of emphasis including but not limited to early childhood education, elementary teaching, science education, social science education, at risk learners, middle school or gifted education.

Curriculum and Instruction—certification required: designed for certified teachers who wish to exercise leadership in school curriculum planning and development. Candidates can plan with an advisor to emphasize science education, social science education, working with at risk learners, etc. A copy of state teaching certificate must accompany application.

- Common Core Requirements (25 credits)
  - Specialization and Support courses—23 credits minimum
    - EDUC 531/532 Elementary/Secondary School Curriculum (4)
    - EDUC 533 Instructional Systems Development (4)
    - EDUC 538 Media Literacy for Teachers (4)
    - EDUC 544 Advanced Reading Methods Across the Curriculum (4)
    - EDUC 566 School Law (4)
    - EDUC 570 Elementary School Science Programs (4)
    - EDUC 574 Social Studies in the Elementary School (3)
    - EDUC 576 Advanced Literacy Methods (4)
    - EDUC 588 Readings in the Curriculum (1–4 var.)
    - 500/600 Level Courses e.g., content field, computers (Var)
    - EDUC 599 Independent Study in Education (Var)

- Minimum total credits for above master’s degree

- 48 credits

- Area specialization and support area credits

- 23 credits

- Area specialization credits

- 24 credits

- Minimum total credits for master’s degree

- 49 credits
ADULT EDUCATION OPTION

Student Learning Outcomes—students will:

• demonstrate instructional and communication competence and skills necessary to work with adults in educational settings.

Adult Education—certification optional: this program is developed to provide advanced opportunities for those persons seeking to work with adults in a variety of settings.

These settings include but are not limited to community colleges’ vocational programs, adult basic skills programs, in-service coordination for business and industry, and military training. It is anticipated that students will come from a variety of backgrounds, most having a bachelor’s degree with some additional work and some having master’s degrees in other areas. Recommended prerequisite: PSYC 306 Adult Development (4). No teaching certification required.

Common Core Requirements (25 credits)
Area Specialization and Credit Hours (11 credits)
COIN 571 Survey of Post-Secondary Education (4)
COIN 572 Strategies for Teaching Adults (4)
COIN 581 Workshop in College Teaching (3)
Electives (12 credits)
Elective support courses approved by advisor.

Common requirements Area specialization credits Elective support courses approved by advisor Total credits for above master’s degree
25 credits 11 credits 12 credits 48 credits

EDUCATIONAL FOUNDATIONS/INTERDISCIPLINARY OPTION

Student Learning Outcomes—students will:

• demonstrate advanced research based knowledge and skills in curriculum and instruction in a selected area of emphasis

Educational Foundations/Interdisciplinary—certification optional: designed for graduate candidates, individuals with or without certification, who want a broad understanding of the history, philosophy and organization of education and to focus on an individual area of educational interest.

Common Core Requirements (25 credits)
Area Specialization (8 credits)
EDUC 502 History of American Education (4)
EDUC 503 Contemporary Education in Other Societies (4)
EDUC 506 Educational Sociology (4)
EDUC 507 Philosophy and Organization of the American School (4)
EDUC 531/532 Elementary/Secondary School Curriculum (4)
EDUC 538 Media Literacy for Teachers (4)
EDUC 551 Supervision of Instruction (4)
EDUC 564 School Law (4)
Support Courses (15–18)
Chosen with advisor from related disciplines.

Common requirements Area specialization Support area credits Minimum total credits for above master’s degree
25 credits 8–12 credits 15–18 credits 48 credits

EARLY CHILDHOOD EDUCATION OPTION

Student Learning Outcomes—students will:

(candidates may or may not be certified teachers)

• demonstrate advanced research based knowledge and skills in early childhood education.

Early Childhood Education—certification optional: designed for graduate candidates to provide advanced knowledge of early childhood education in both certificated and non-certificated settings.

Designed to provide candidates with or without certification advanced study in areas of Early Childhood Education.

Common Core Requirements (25 credits)
Area Specialization (8 credits)
EDUC 580 Curriculum Design in Early Childhood Education (4)
EDUC 598 Seminar in Education (4)
Support courses (15 credits)
Selected with approval of program advisor from education in areas related to early childhood education.

Common requirements Area specialization Support area credits Minimum total credits for above master’s degree
25 credits 8 credits 15 credits 48 credits
MASTER IN TEACHING (MIT): SECONDARY TEACHING (5–12)

Student Learning Outcomes—students will:
(candidates must have a bachelor's degree)

• demonstrate required WAC knowledge and skills and meet all SPI and EWU Department of Education professional education program requirements including a year-long internship in K–12 schools which are necessary to qualify for a Washington residency teaching certificate in middle school, junior high and high school.

MIT Secondary Teaching (5–12)–earn certification + M.Ed.: a program designed for those candidates who desire an MEd degree and a Washington residency teaching certificate for the middle school, junior high and high school.

This program is available to candidates who hold a bachelor's degree in an area other than education, did not previously take teaching certification coursework and are interested in receiving both an MEd degree and a residency teaching certificate for teaching in the middle school, junior high and high school. Candidates for this program must have an endorsable teaching major that has been approved by an Eastern Washington University academic department. Effective 9/1/09 all candidates for certification must pass a WEST-E subject matter test to receive an endorsement for certification purposes.

Prerequisites for this program are
1. Introductory speech course (CMST 200, or an approved equivalent).
2. At least 90% of the endorsable teaching major must be completed.
   Secondary Teaching candidates go through a pre-approval interview process and complete a year-long internship in a middle or secondary school. Satisfactory SAT or ACT scores may waive all or part of the WEST-B requirement. Please see an advisor in the education department.

Additional courses listed below must be completed for certification

EDUC 309 Foundations of Secondary Classroom Management (3)
EDUC 341 Secondary Strategies, Management, Assessment (4)
EDUC 413 Content Area Literacy, Management Assessment for Secondary Education Candidates (4)
SPED 563 Introduction to Special Education (4)
XXXX xxx Secondary Methods Class from Major Department (3–5)

Minimum total credits for above certification 28 credits

Common Core Requirements (25 credits)

Area Specialization (28 credits)
EDUC 417/517 The Culture of Middle Level School (3)
EDUC 510 Curriculum and Assessment (4)
EDUC 538 Media Literacy for Teachers (4)
EDUC 563 School Law (MIT) (2)
EDUC 596 Beyond Culture of Poverty (2)
EDUC 596 Building Learning Community (2)
EDUC 695 Internship (11)

Common requirements credits 25 credits
Area specialization credits 28 credits
Minimum total credits for above master's degree 53 credits


MASTER IN ELEMENTARY TEACHING (MIT): TEACHING (K–8)

Student Learning Outcomes—students will:
(candidates must have a bachelor's degree)

• demonstrate required WAC knowledge and skills and meet all SPI and EWU Department of Education professional education program requirements including a yearlong internship in K–8 schools, which are necessary to qualify for a Washington residency teaching certificate in teaching in K–8 grades.

MIT Elementary Teaching (K–8)—earn certification + M.Ed.: a program designed for those candidates who desire an MEd degree and a Washington residency teaching certificate for teaching in the elementary grades.

This program is available to candidates who hold a bachelor's degree in an area other than education interested in receiving both a MEd degree and a residency teaching certificate for teaching in the elementary grades.

Prerequisites for this program are
1. Introductory speech course (CMST 200, or an approved equivalent).
2. Passing of MATH 211 of equivalent.
   Contact www.west.nesinc.org for test information.

Highly recommended
Three natural science courses (BIOL 115 or PHYS 115, GEOG/GEOL 115) and Three social studies courses (HIST 110, HIST 104 or HIST 106, GEOG 101 or GEOG 230).

Elementary Teaching with Certification candidates go through a pre-approval interview process and complete a year-long internship in an elementary school.

All candidates for certification must pass an elementary education WEST E test to receive an endorsement for certification purposes.

Additional courses listed below must be completed for certification

ART 390 Art in the Elementary School (3)
EDUC 308 Foundations of Secondary Classroom Management (3)
EDUC 508 Understanding Literacy Instruction K–8 (6)
MUSC 450 Integrating Music into Elementary Classroom Courses (3)
PHED 390 Health and Physical Education in the Elementary Schools (3)
SPED 563 Introduction to Special Education (4)

Minimum total credits for above certification 22 credits

Common Core Requirements (25 credits)

Area Specialization (37 credits)
EDUC 478 Science in the Elementary School (4)
EDUC 510 Curriculum and Assessment (4)
EDUC 538 Media Literacy for Teachers (4)
EDUC 563 School Law (MIT) (2)
EDUC 574 Social Studies in the Elementary School (3)
EDUC 576 Advanced Literacy Methods (4)
EDUC 695 Internship (11)
MTED 590 Math Methods for Elementary Teachers (5)

Common requirements credits 25 credits
Area specialization credits 37 credits
Total credits for above master’s degree 62 credits
## College Instruction Courses

**Terms offered:** check with the department or EagleNET.

**COIN 571 Survey of Post-Secondary Education (4)**
A study of teaching-learning processes suitable for adult education and analysis of the educational theories from which they derive.

**COIN 572 Strategies for Teaching Adults (4)**
A study of teaching-learning processes suitable for adult education and analysis of the educational theories from which they derive.

**COIN 581 Workshop in College Teaching (5) F**
Supervised training in various teaching strategies for large group, small group and individualized instruction.

**COIN 599 Independent Study (1–15)**
Prerequisite: permission of the instructor, department chair and college dean.

**COIN 600 Thesis (1–15)**
Note: graded Pass/No Credit.
Prerequisite: permission of the instructor, department chair and college dean.

**COIN 601 Research Report (1–15)**
Note: graded Pass/No Credit.
Prerequisite: permission of the instructor, department chair and college dean.

**COIN 696 College Teaching Internship (1–15)**
Note: graded Pass/No Credit.
Prerequisites: COIN 572 or 581, Enrollment with permission of the College Instruction Program advisor.

Teaching under supervision at a two-year or four-year college, or other appropriate institution. Includes regular instructional responsibilities and additional planned experience.

## Education Courses

### Terms offered:
- fall, winter, spring, summer (FWSU).

### EDUC 146 College Reading and Study Techniques (5) FWSU
Individual evaluation, prescription and practice for improvement of study reading, note-taking, spelling and study techniques.

### EDUC 150 Reading/Study Skills (1–2)
Note: students may receive a maximum of 2 credits a quarter and may earn a total of 5 credits during their tenure at the university.

This class is to assist students with reading and study skills. Techniques introduced and practiced within content areas of courses in which the students are enrolled include: time management, textbook reading, taking notes, reduce-SQ3R, retain-SER, test-taking skills. Reading enhancement will involve techniques for improving rate, comprehension, vocabulary and critical reading. Other skills addressed may include spelling and tutoring for specific subjects.

**Prerequisite:** permission of the instructor. Classroom tutoring using Direct Instruction teaching techniques and curriculum.

### EDUC 200 Admission to the Teacher Education Program (1) FWS
Note: Application required. Department authorization required. Graded Pass/Fail.
Prerequisites: ENGL 101 and ENGL 201; MATH 211 or MATH 107, CMST 200 or proof of equivalence; passing the Washington Education Skill Test Basic (WEST-B); ≥2.5 GPA in the last 45 credits completed.
Co-requisites: EDUC 303 and 308 (elementary); or EDUC 305 and 309 (secondary); or EDUC 456 and 493 (P-3); or EDUC 303 (special education).

This course is a required prerequisite to most education courses and admission to the teacher preparation program. This course includes orientations to EWU Teacher Education Program; completion of Washington State Patrol/FBI Clearance, moral character and personal fitness supplement; introduction to Washington Administrative Code (WAC) knowledge and skills, Washington State Learning Goals (WASL) and Essential Academic Learning Requirements (EALRs); Office of the Superintendent of Public Instruction (OSPI); the Department of Education reflective teaching model and Evidentary Portfolio; required P-12 public school field experiences; school-based communication skills and legal and professional certification requirements. This course has co-requisites depending on your program. See an advisor for scheduling.

### EDUC 201 Introduction to Education (5) FWSU
EDUC 201 is an overview of the role of schools in a democratic society, an introduction of reflective thinking concept for professional educators, an analysis of various philosophical views of teaching and learning and an introduction to the restructuring of the K–12 educational system in the state of Washington.

### EDUC 260 Direct Instruction Mentoring (1–6)
Prerequisite: EDUC 160 or permission of the instructor.
Classroom mentoring experiences using Direct Instruction teaching techniques and curriculum.

### EDUC 299 Special Studies (1–18) FWSU
Prerequisites: permission of the instructor, department chair and college dean.
Subjects studied vary according to faculty and student interests.

### EDUC 300 Introduction to Classroom Experience (1–4) FWSU
Note: graded Pass/Fail.
Prerequisite: EDUC 200, Washington State Patrol form submitted.

This course is open to students admitted to the Education Program. Reading and participation in public school classroom management and instruction. Your schedule must be arranged so time can be spent in a public school classroom during the day. After registering for EDUC 300, sign up for placements in the Department of Education, Williamson Hall, third floor.

### EDUC 303 Foundations of Assessment (3) FWS
Prerequisites: ENGL 101 and ENGL 201; MATH 211 or MATH 107, CMST 200 or proof of equivalence; passing the Washington Education Skill Test Basic (WEST-B); ≥2.5 GPA in the last 45 credits completed.
Co-requisites: EDUC 200 and either EDUC 306 or EDUC 309.

This class focuses on developing objectives, lesson planning, assessment of student learning, measurement and assessment of the total school program including National and State Learning Goals/Standards and Washington State Essential Academic Learning Requirements.

### EDUC 304 Introduction to Elementary Reading (3)
Prerequisites: EDUC 200, EDUC 303 and EDUC 308 or may be taken concurrently.
This course investigates reading processes, emergent literacy, word identification, vocabulary and comprehension in elementary reading programs.

### EDUC 305 Children’s Literature Study and Use (4)
Prerequisites: EDUC 200, EDUC 303 and EDUC 308 or EDUC 309 may be taken concurrently.
This course includes selected readings and discussions of a variety of children’s books. It allows students to become familiar with the high quality children’s literature and suggests media center and K–8 classroom uses.

### EDUC 306 Introduction to Early Childhood Education (1) F
Students have an opportunity to learn about the content and process of early childhood education. Included in the course is an introduction to the ECE major and professional sequence of courses, development of a professional sequence of courses, development of a professional growth plan and assessment of knowledge and pedagogy through e-portfolios and/or written portfolios.

### EDUC 308 Foundations of Elementary Classroom Management (5) FWS
Note: Application required. Department authorization required.
Prerequisites: ENGL 101 and ENGL 201; MATH 211, CMST 200 or proof of equivalence; passing the Washington Education Skill Test Basic (WEST-B); ≥2.5 GPA in the last 45 credits completed.
Co-requisites: EDUC 200 and EDUC 303.

This course addresses organizational patterns, management skills, discipline practices, individual actions and classroom environmental conditions needed to provide an optimum learning environment at the elementary level.
EDUC 309 Foundations of Secondary Classroom Management (3) FWS
Prerequisites: ENG 101 or ENG 201; MATH 107 or MATH 211; CMST 200 or proof of equivalence; passing the Washington Education Skill Test Basic (WEST-B); 2.5 GPA in the last 45 credits completed. Co-requirements: EDUC 200 and EDUC 305.
This course addressed organizational patterns, management skills, discipline practices, individual actions and classroom environmental conditions needed to provide an optimum learning environment at the secondary level.
EDUC 310 Literacy Methods, Management and Assessment in the Elementary School (4) FWS
Prerequisites: EDUC 200, EDUC 303, EDUC 304, EDUC 308. Washington State Patrol clearance/FBI fingerprinting clearance.
This course extends the understanding of the reading process approach to teaching reading across the elementary school curriculum (K–8). Lesson plan development includes assessment of student learning and classroom management. Placement in P–12 school with minimum 3 hour per week field experience required.
EDUC 320 Assessing and Differentiating Instruction (4) FWS
Prerequisites: EDUC 304; may be taken concurrently with EDUC 310.
This course offers a comprehensive look at formative and summative assessments for reading, writing and oral language development for P–12 students including those at risk. Candidates learn to use assessment data, make instructional decisions and prepare professional reports.
EDUC 323 A Global View through Children's Literature (5)
Cross-listed: ENGL 323.
Satisfies: international studies university graduation requirement.
By reading and discussing a variety of children’s literature titles across several interrelated thematic units, students will examine cultural constructs, gain familiarity with international cultures, work toward empathy for other peoples and practice a critical reading stance about stories from around the world. Coursework will include papers, journals, and small group discussions and presentations.
EDUC 325 Inequalities and Impacts on Educational Equity (4) FWSU
Prerequisite: junior standing or permission of instructor. Prerequisite: cultural and gender diversity university graduation requirement.
An exploration of concepts, principles and theories of educational equity and their function within a society. This course includes issues of ethnicity and race, socioeconomic status and gender inequalities within the U.S. and the impact of those inequalities on educational equity.
EDUC 338 Language Arts Methods, Management and Assessment in the Elementary School (4) FWS
Prerequisites: junior standing and completion of (EDUC 200, 303; 308 and 310) or (EDUC 456, 479 and 495); concurrent enrollment in EDUC 399. Washington State Patrol Clearance/FBI fingerprinting clearance required.
Placement in P–12 school with minimum 9 hour per week field experience required. This course examines the environment needed to teach the skills of listening, speaking and writing in the elementary program, including lesson plan development and assessment of student learning and classroom management.
EDUC 339 Social Studies and Science Methods, Management and Assessment in the Elementary School (5) FWS
Prerequisites: junior standing and completion of EDUC 200. EDUC 304, EDUC 308, and EDUC 310, or (EDUC 456, 479 and 495); concurrent enrollment in the Washington State Patrol Clearance/FBI fingerprinting clearance required.
Placement in P–12 school with minimum 9 hour per week field experience required. This course includes formulation of goals for social studies and science, selection of content to be taught at each grade level, development of daily lesson plans and unit plans utilizing recommended teaching strategies, assessment of student learning and classroom management and participation in teaching lessons in an elementary classroom.
EDUC 341 Secondary Strategies, Management, Assessment (4) FWS
Prerequisites: junior standing and completion of EDUC 200, EDUC 201, EDUC 303, EDUC 309 and EDUC 413. Washington State Patrol/FBI fingerprinting clearance.
This course deals with teaching and learning procedures appropriate for courses in the junior and senior high school. It demonstrates a variety of teaching strategies and the assessment of student learning and classroom management. The course is designed to supplement methods courses work taken in major departments. Placement in P–12 school with minimum 9 hour per week field experience required.
EDUC 399 Directed Study (1–18) FWSU
Prerequisites: permission of the instructor, department chair and college dean.
EDUC 401 Young Adult Literature Study and Use (4) FWS
Prerequisites: EDUC 305 or permission of the instructor.
This course is designed to provide teachers with the skills and information to develop and implement a classroom literacy program for middle and secondary students. It emphasizes instructional strategies to accommodate student diversity using a selection of literature genres as the curriculum foundation.
EDUC 409 Teaching the Gifted and Talented (3) U
Prerequisite: Washington State Patrol form submitted. Analyzes the characteristics of educational programs for the gifted and talented. Helps you develop teaching strategies and curriculum materials designed to provide appropriate educational programs for the gifted and talented.
EDUC 411 Literacy for Linguistically and Culturally Diverse Learners (4)
Prerequisites: EDUC 310 or may be taken concurrently.
This course allows teacher candidates to analyze cultural and language differences that may influence how P–12 students acquire literacy. It focuses on teaching students for whom English is not the heritage or first language.
EDUC 412 Content Area Literacy: Management and Assessment for Literacy Majors and Minors (4)
Prerequisites: EDUC 309, EDUC 308.
This course presents a variety of strategies for improving P–12 students’ comprehension of content area materials and techniques for analyzing written materials. Assessment of student learning and classroom management is covered.
EDUC 413 Content Area Literacy: Management and Assessment for Secondary Education Candidates (4)
Prerequisites: EDUC 200, EDUC 303 and EDUC 309. Washington State Patrol/FBI fingerprinting clearance.
This course presents a variety of strategies for improving 5–12 students’ comprehension of content area materials and techniques for analyzing written materials. Lesson plan development includes assessment of student learning and classroom management. Placement in 5–12 school with minimum three hour per week field experience required.
EDUC 416 Writing Process Across the Curriculum (4)
Prerequisites: EDUC 412, EDUC 413, may be taken concurrently.
This course provides candidates with a theoretical and strategic approach to writing pedagogy. Teacher candidates are prepared to teach writing across the curriculum.
EDUC 417 The Culture of Middle Level School (3)
Prerequisites: EDUC 200, EDUC 303; EDUC 308 or EDUC 309.
This course will promote awareness and understanding of middle level-aged students, of the philosophy and organization of middle level schools and programs and of developmentally appropriate instructional and classroom management strategies for teaching middle level learners.
EDUC 420 Admission to Professional Candidacy (1) FWS
Note: graded Pass/Fail.
Prerequisites: P-3, EDUC 200, EDUC 457, EDUC 358, EDUC 359, concurrent with EDUC 439 and EDUC 495, Elementary; EDUC 200, EDUC 303, EDUC 304, EDUC 308, EDUC 310, EDUC 315, EDUC 439, Secondary; EDUC 200, EDUC 303, EDUC 309, EDUC 341, EDUC 413. Washington State Patrol/FBI clearance required.
Placement in P–12 school with minimum 3 hour per week field experience required. The successful completion of EDUC 420 leads to student teaching candidacy. The candidate is asked to demonstrate characteristics of desirable teacher-pupil relations. In partial fulfillment of the course requirements, a Teacher Education Evidentary Portfolio will be presented by each candidate to the Department of Education performance-based outcomes, Washington State Learning Goals and, evidence of successful performance in the field. Teacher candidates must be 2.5 in each of the following major(s) and minor(s) before taking this course. All methods courses within the candidate’s major(s) must also be completed prior to taking EDUC 420. All candidates must have a minimum overall GPA of 2.5 in each of the following major(s), minor(s) and Professional Education program. All course grades in the candidate’s major(s) and minor(s) and the Professional Education program must be at least 2.0. (Some majors/minors require higher than 2.0 in each course.)
EDUC 423 Elementary Student Teaching K–8 (15) FWS
Note: graded Pass/Fail.
Prerequisite: EDUC 420.
Departmental clearance required prior to registration. Students must have completed at least three-fourths of the coursework for their major(s) and minor(s) before taking this course. All students must have a minimum overall GPA of 2.5 in each of the following: major(s), minor(s) and Professional Education program. All course grades in the student’s major(s), minor(s) and the Professional Education Program must be at least 2.0. Washington State Patrol and FBI clearance must be current. For a complete description of activities and procedures associated with student teaching, please refer to the department’s Student Teaching Handbook.
EDUC 426 Secondary Student Teaching 7–12 (15) FWS
Note: graded Pass/Fail.
Prerequisite: EDUC 420.
Departmental clearance required prior to registration. Students must have completed at least three-fourths of the coursework for their major(s) and minor(s) before taking this course. All students must have a minimum overall GPA of 2.5 in each of the following: major(s), minor(s) and Professional Education Program. All course grades in the student’s major(s), minor(s) and the Professional Education Program must be at least 2.0. Washington State Patrol and FBI clearance must be current. For a complete description of activities and procedures associated with student teaching, please refer to the department’s Student Teaching Handbook.

EDUC 427 General Student Teaching K–12 (1–15) FWS
Note: graded Pass/Fail.
Prerequisite: EDUC 420.
Departmental clearance required prior to registration. Students must have completed at least three-fourths of the coursework for their major(s) and minor(s) before taking this course. All students must have a minimum overall GPA of 2.5 in each of the following: major(s), minor(s) and Professional Education Program. All course grades in the student’s major(s), minor(s) and the Professional Education Program must be at least 2.0. Washington State Patrol and FBI clearance must be current. For a complete description of activities and procedures associated with student teaching, please refer to the department’s Student Teaching Handbook.

EDUC 439 Seminar: Topics in Education (4)
Note: content and title may vary as education special topics are identified by faculty and students to study relevant and in-depth education concepts, knowledge and skills.

EDUC 440 Seminar in Environmental Education and Sustainability (2)
This seminar provides depth in selected topics in sustainability and environmental education.

EDUC 452 Topics in Continuing Education (1–5)
Note: graded Pass/Fail.

EDUC 455 Perspectives of Early Childhood Education (3) FW
Prerequisite: EDUC 306.
Students are introduced to the foundations and current perspectives of early childhood education. Opportunities are provided to learn about issues, trends, appropriate programs and expectations for working with young children and their families.

EDUC 456 Integrated Early Childhood Practices (5) FS
Prerequisite: EDUC 455.
The design, implementation and assessment of appropriate early childhood practices (birth to eight years) are addressed in this course. The early childhood pre-service teacher is guided in a collaborative, reflective and field-based process that views a learner-centered environment for young children as an organic process of constructivism.

EDUC 457 Collaborative Reflective Teaching in Early Childhood Education (3) WS
Prerequisite: Students must be in EDUC 200, EDUC 455, EDUC 456.
Early Childhood students are encouraged to focus on their developing practices for working with young children by using a reflective practice model that emphasizes collaboration, constructivism and equity.

EDUC 458 Learning Paradigm in Early Childhood Education (5) W
Prerequisite: MTED 390, EDUC 304, 310, 315, 401, 411, 412, 416, EDUC 420; EDUC 494 must be taken concurrently.

Satisfies: senior capstone university graduation requirement.
This course allows teacher candidates in the Reading Major to analyze their practicum classroom experiences and to develop a philosophy for reading instruction. Students examine and identify the connections among literacy instruction and politics, the economy, school, society, social justice and how these impact young learners. Teacher candidates develop and implement a two-week reading curriculum for their placement practicum and review the Washington Teacher Competencies for the Reading Endorsement. This course must be taken concurrently with EDUC 494 Practicum for Reading Majors.

EDUC 462 Instructional Media and Technology (5) FWS
Prerequisites: junior standing, Washington State Patrol/ FBI fingerprinting clearance.
This course investigates how to promote student learning by integrating technology with content and instructional methods. Students explore the use of internet-associated learning tools, multimedia authoring tools, assessment tools and data-analysis tools. The ethical underpinnings associated with instructional media are discussed throughout the course as is student-associated research in the area of instructional media and technology.

EDUC 463 Production of Instructional Materials (5) F course fee.
This course will use the latest computer technology for teachers in all areas, librarians and media specialists, Producing presentations, creating graphics and charts, producing classroom newsletter publications, scanning documents and pictures, importing clip art, making color transparencies, video production and evaluation of web page design are covered in this class.

EDUC 478 Science in the Elementary School (4) FWSU
Prerequisite: Washington State Patrol form submitted.
Develops instructional competencies in elementary school science through extensive laboratory experiences.

EDUC 479 Early Literacy (3) FW
Prerequisite: EDUC 455.
Students are expected to learn that emergent literacy begins with a child’s birth and encompasses those experiences that introduce, involve and motivate the learning of early language and literacy constructs.

EDUC 480 Educating Young Children with Diverse Backgrounds (3) FS
Prerequisite: EDUC 455.
The early childhood education student will learn to integrate the learning of children with diverse backgrounds into developmentally and culturally appropriate programs.

EDUC 485 Indigenous Education (5)
Cross-listed: IDST 485.
Prerequisite: junior standing.
Satisfies: international studies university graduation requirement.
This course introduces students to the topic of indigenous education from a global perspective. Through readings, discussions, lectures and videos, students will examine the role education has played as an instrument of oppression, and how indigenous nations have restructured educational systems to reclaim their cultural identities and to empower themselves politically.

EDUC 487 Early Learning Concepts (4) FS
Prerequisite: EDUC 306.
This course introduces students to early childhood subject area concepts and standards for the learning of young children from birth to age eight. Also introduced are teaching and learning approaches and projects that are child relevant and meaningful.

EDUC 490 Literacy Major Capstone (5)
Prerequisite: MTED 390, EDUC 304, 310, 315, 401, 411, 412, 416, EDUC 420; EDUC 494 must be taken concurrently.
Satisfies: senior capstone university graduation requirement.
This course allows pre-service teachers to take credit and to actively engage in the work they do. Students develop inquiry-activated, learner-centered classrooms around natural resource themes.

EDUC 493 Early Childhood Education Assessment (5)
Prerequisites: EDUC 306.
This course explores performance-based, authentic and standardized assessments of young children aged birth to eight years in order to assess development and learning and to plan programs.

EDUC 494 Literacy Seminar and Practicum (6)
Note: graded Pass/Fail.
Prerequisites: MTED 390, EDUC 338 or EDUC 339; EDUC 420; EDUC 490 must be taken concurrently.
In this practicum for literacy majors, candidates are supervised while teaching literacy in a K–12 classroom setting. This course must be taken before student teaching. Students must spend 12 hours per week, five days per week, during literacy instruction in a public school classroom. This course must be taken concurrently with EDUC 490.

EDUC 495 Practicum (5)
Note: graded Pass/Fail.
Prerequisites: permission of the instructor, department chair and college dean.

EDUC 495A Education Internship for Early Childhood Education (4)
Prerequisites: permission of the instructor, department chair and college dean.
This course is part of the three-quarter field based requirement for students in the P–3 Certificate Program. Students spend eight hours in the field and take this course concurrently with EDUC 498 Seminar (1).

EDUC 497 Workshops, Short Courses, Conferences (1–18) FWSU
Electives. Major in Reading (Elementary) must be a reading workshop.

EDUC 498 Seminar (1–18) FWSU

EDUC 499 Directed Study (1–18) FWSU
Prerequisites: junior standing, permission of the instructor, department chair and college dean.
An opportunity for students with adequate background and experience to make intensive and independent study of some special problems in education.

www.ewu.edu
EDUC 500 Foundations of Education/MIT (4) Introduction to the fundamentals of K–12 education, school systems and teaching. Role of schools in a democratic society is analyzed to help pre-service teachers become familiar with the reflective thinking necessary to be an effective classroom teacher, and become familiar with the historical and legal foundations of education as they apply to teaching.

EDUC 502 History of American Education (4) The economic, social, cultural and philosophical development of America and the resulting impact on schools.

EDUC 503 Contemporary Education in Other Societies (4) Study of systems of education outside the United States.

EDUC 505 Current Issues in Education (4) Issues such as federal aid, teachers’ tenure, teachers’ salaries, the political control of education, indoctrination versus education, religious and public education, school-district reorganization, the community-centered school and academic freedom.

EDUC 506 Educational Sociology (4) An analysis of American democratic ideology in relation to major social problems such as race, social stratification, leisure, population movements, family life and the involvement of the public schools.

EDUC 507 Philosophy and Organization of the American School (4) Four philosophies in education will be studied. The implications of each for school organization and classroom instruction will be examined. Participants will be invited to analyze their beliefs and how these beliefs form into a coherent philosophy of education.

EDUC 508 Understanding Literacy Instruction K–8 (6) Teacher candidates gain knowledge and understanding of reading processes, emergent through advanced literacy learning across the K–8 curriculum, lesson plan development based upon assessment and how to manage classroom literacy instruction.

EDUC 510 Curriculum and Assessment (4) In this course MIT students will gain understanding of best practice in curriculum development and assessment as well as enhanced competence in application of the practice.

EDUC 511 Introduction to Teaching with Technology Portfolio (1) Note: may be graded Pass/No Credit.

EDUC 512 Finalizing the Teaching with Technology Portfolio (1) Note: may be graded Pass/Fail.

EDUC 513 Advanced Reading Methods (4) Explores ways of building a literate classroom by focusing on planning and preparing delivery of the Teaching with Technology Portfolio and should be taken as one of the final courses. Learners will then use this document and the insights they have gained to develop the final portfolio. Once complete, the portfolio will be evaluated and presented in a public forum.

EDUC 514 The Culture of Middle Level School (3) This course will provide an understanding of middle school aged students, of the philosophy and organization of middle level schools and programs, and of developmentally appropriate instructional and classroom management strategies for teaching the middle level learner.

EDUC 520 Methods of Educational Research (4) Required of all graduate students pursuing the master of education degree program unless an alternative research course is scheduled. It provides the background of research methods and techniques necessary for meeting the requirements of Education 600 or 601. The methods, tools and strategies used in educational research, both quantitative and qualitative will be explored. Continued level teacher certification research requirements may be met through this course.

EDUC 522 Transformation of Learning and Teaching (4) This course focuses on reforming and transforming the processes, perceptions and practices of learning and teaching by emphasizing diversity, social justice and equity. First, psychological principles underlying current educational culture will be analyzed. Second, reforming relationships, interactions and contexts for learning will be addressed through reflective practices, and third, rethinking and transforming connections, will be viewed through the lens of learners of diverse backgrounds.

EDUC 530 Foundations of Educational Communication and Information Technology (4) Survey of current issues, philosophical foundations, research and history in the field of educational communication and information technology applicable to K–12 and adult learners.

EDUC 531 Elementary School Curriculum (4) Curriculum practice and instructional materials most likely to improve instruction in the elementary school.

EDUC 532 Secondary School Curriculum (4) Curriculum practice and instructional materials most likely to improve instruction in the secondary school.

EDUC 533 Instructional Systems Development (4) Advanced techniques and methods of developing and utilizing instructional systems. A multimedia correlated system will be designed, produced, organized, field tested and presented.

EDUC 534 Games, Simulations and Learning (4) F Effective learning environments strike a balance between anxiety and boredom. They are typically challenging—hard—and enjoyable—fun—or hard-fun. In this course you will explore how the instructional design game method can be used as an excellent vehicle for creating effective, hard-fun learning. You will investigate motivation as it relates to learning and the game method of instruction.

EDUC 538 Media Literacy for Teachers (4) This course focuses on planning and preparation of resource-based skills. From examining model K–12 programs for skills in such areas as information critical television viewing, media production, visual literacy, teachers will apply elements of instructional design and development to resource-based skills programs.

EDUC 539 Special Topics (1–5) Note: may be graded Pass/No Credit.

EDUC 540 Teaching and Learning with Microsoft Office (4) This course provides basic to intermediate skills for using Word, PowerPoint and Excel in classroom settings. You will learn how these technologies can be used to create instruction that meets the diverse needs of learners. Participants will have numerous opportunities to practice and develop their own instructional products that support their curricular goals.

EDUC 542 Literature Study in the Elementary and Middle School (4) Advanced study of literature based teaching. Explores ways of building a literate classroom by connecting children and books with special ways to support students in becoming fluent readers.

EDUC 544 Advanced Reading Methods Across the Curriculum (4) A course designed to provide teachers an opportunity to revisit current reading instruction methodology, examine new research including brain research impacting instruction and explore meaningful ways in which reading instruction may be infused and integrated within content areas of the curriculum. Teacher assessment and student self-assessment as means to inform teaching and learning will be an additional focus of the course.

EDUC 551 Supervision of Instruction (4) The work of the teacher or supervisor in improving instruction.

EDUC 552 Supervision of Student Teaching (4) Preparation for positions as supervisors in laboratory schools and for public school teachers who supervise students in off-campus student teaching assignments.

EDUC 560 Reading Inquiry (4) This course centers on theoretical research into reading and literacy instruction. The course is based on the inquiry cycle, which will provide the organizational structure for class participation. Class sessions will include small group brainstorming and discussion, reading, explorations, browsing, workshop experiences, presentations, demonstrations and sharing.

EDUC 563 School Law (MIT) (2) In this course MIT students will become familiar with the replicable school law, preventative measures and knowledge of seeking legal advice.

EDUC 564 School Law (4) Court decisions and statutory law relating to the duties and powers of school officials and employees, compulsory school attendance, school census, child labor, control and organization.

EDUC 565 Leadership for Today’s Schools (4) Focus on school leadership, developing with vision the knowledge and skills for strategically leading the planning, decision-making, communication, management and change processes needed in 21st century schools and communities.
EDUC 566  Leadership in School-Community Relations (4)
A problem-based exposure to the multi-dimensional role of school-community relations and communication in school districts. The course addresses the Public Relations domain of the NPBEA and WAC standards for the principalship.

EDUC 567  School Administration (4)
Students will examine the role of the principal, using the ISLLC Standards as a framework. They will prepare themselves for leadership through research, discussion activity and application. Relevant and practical topics will be used to create the curricular content of the course. Students will exit this course with knowledge and understanding of what to expect and how to respond as a new principal. This is a course where practicality and purpose will support those preparing for an instructional leadership role.

EDUC 570  Elementary School Science Programs (4)
Prerequisites: teaching experience beyond student teaching, EDUC 478 or permission of the instructor.
The development of elementary school science programs and materials including the coordination of science instruction with other curricular areas.

EDUC 574  Social Studies in the Elementary School (3)
Place of social studies in the school program, the development of principles involved in the teaching of social studies.

EDUC 576  Advanced Literacy Methods (4)
Advanced course with emphasis on models for reading and language arts integration. Cover total program: management, methods, materials and techniques.

EDUC 580  Curriculum Design in Early Childhood Education (4)
Prerequisite: EDUC 455 or permission of the instructor.
An in-depth study of the components of early childhood education curriculum models and research regarding early childhood education programs.

EDUC 588  Readings in the Curriculum (1–4)
An advanced course for students wanting to study the current literature on school curriculum development and offerings. Students will develop an annotated bibliography from a specific area of school curriculum.

EDUC 590  Critical and Social Literacies (4)
An advanced course for students wanting to study current literature on literacy as practiced in a variety of social contexts, as evaluated through a number of critical perspectives. Instructional implications will be highlighted so that students will develop reflective and sound classroom practice.

EDUC 591  Instructional Foundations and Interventions for Literacy Difficulties (4)
This course is designed to examine the causes and correlates of individual differences in reading ability. A number of specialized, intensive approaches for the improvement of the literacy skills will also be examined.

EDUC 594  Psychology of Literacy (4)
Application of the findings of psychology to understanding the reading, writing and communication processes and the teaching of literacy.

EDUC 595  Seminar in Literacy (4)
Prerequisite: permission of the instructor, department chair and college dean.
Course will help develop critical understanding of the reading process through a scholarly exploration of research related to literacy education. The instructional implications of research will be highlighted to help students develop theoretically sound classroom practice.

EDUC 596  Experimental Course (1–6)
Note: only one workshop course for up to 3 credits may be used to fulfill graduate degree requirements.

EDUC 597  Workshops (1–6)

EDUC 598  Seminar in Education (1–12)

EDUC 599  Independent Study in Education (1–6)
Prerequisites: permission of the instructor, department chair and college dean.
Students with adequate background and experience may make intensive and independent study of some special problems in education. Students should make arrangements through their graduate advisor.

EDUC 600  Thesis (1–8)
Note: may be graded Pass/No Credit.
Prerequisite: EDUC 520; permission of the instructor, department chair and college dean.
Independent research study under the direction of a graduate advisory committee.

EDUC 601  Research Report (1–6)
Note: graded Pass/No Credit.
Prerequisites: permission of the instructor, department chair and college dean.
Enrollees should have completed a rough draft prior to entering the course. Research projects to be developed and written by graduates.

EDUC 695  Internship (1–18)
Note: graded Pass/No Credit.
Prerequisites: permission of the instructor, department chair and college dean.
Practical, on-the-job experience for specialized school personnel planned cooperatively by a school district and the university. Students are selected for this experience by the university and the district in which the student is working. To register, students must make application to the program advisor during May of the previous year.

EDUC 696  College Teaching Internship (1–5)
Note: graded Pass/No Credit.
Teaching a lower-division college course under supervision of a regular faculty member. Includes course planning, arranging bibliographical and instructional aids, conferences with students, experience in classroom instruction and student course evaluation.
These scholarships are awarded to our majors based on academic qualifications and need.


UNDERGRADUATE PROGRAMS

Students studying in the Department of Engineering & Design (DESN/ EENG/MENG/METC/TECH) may select from a broad number of disciplines that include Electrical Engineering, Mechanical Engineering, Mechanical Engineering Technology, Visual Communication Design, Construction, Design and Manufacturing. The primary goal of the Department of Engineering & Design is to provide students with the technical background required for careers in business and industry. Coursework within each program offers experiences in many areas of engineering and design that enhance the preparation of our graduates. The Department of Engineering & Design faculty, facilities and equipment reflect a commitment to maintaining program relevance. Computer-assisted drafting and manufacturing, networking, signal processing, microprocessors, power systems, digital communication, electronics, integrated circuits design, graphic design/web design, robotics thermodynamics, fluid dynamics, heat transfer and materials processing laboratories and a variety of engineering/technology laboratories are constantly being updated with new equipment. Articulation and research with industry have resulted in programs that address the latest trends in industry. These efforts have consistently offered graduates excellent job placement and employment opportunities.

Engineering & Design Departmental Scholarship Information: The department awards two scholarships annually: the M. W. Consulting Engineering Scholarship and Aaron G. Mertens memorial scholarship. These scholarships are awarded to our majors based on academic qualifications and need.

Engineering & Design Departmental Scholarship Information

The department awards two scholarships annually: the M. W. Consulting Engineering Scholarship and Aaron G. Mertens memorial scholarship. These scholarships are awarded to our majors based on academic qualifications and need.

General Admissions Information for Engineering & Design

Students entering the Bachelor of Science degree in the Engineering & Design Department must also earn a 2.5 in departmental coursework. Students getting a minor in the Engineering & Design Departmental Scholarship Information.

Engineering & Design Departmental Scholarship Information

The department awards two scholarships annually: the M. W. Consulting Engineering Scholarship and Aaron G. Mertens memorial scholarship. These scholarships are awarded to our majors based on academic qualifications and need.

College of Science, Health & Engineering

ELECTRICAL ENGINEERING (152–153 CREDITS)

This degree combines studies in selected areas of engineering, physics, mathematics, and science to prepare students to solve real-world problems in electrical engineering. The Bachelor of Science in Electrical Engineering Degree is accredited by the Engineering Accreditation Commission of ABET, www.abet.org.

The first two years of the curriculum allow students to establish a solid foundation in mathematics and sciences. The third year curriculum introduces students to a broad spectrum of electrical engineering coursework with specialization and capstone introduced into the fourth year. The senior year capstone course allows the students to consolidate their education experience with the solution of practical engineering problems provided by industry.

The primary objective of the electrical engineering program is to prepare students to enter and progress in electrical engineering positions in business, industry and government. Graduates are generally expected to work in the research and development of ideas, products and processes by applying engineering principles to the solution of practical problems in the electrical engineering field.

Note: incoming freshmen are expected to start both the Calculus and Physics series in their first year in order to complete the degree in four years.

Required Courses Outside Department (59 credits)

CHEM 151 General Chemistry (5)
CSCD 255 C Programming for Engineers (5)
MATH 161 Calculus I (5)
MATH 162 Calculus II (5)
MATH 163 Calculus III (5)
MATH 231 Linear Algebra (5)
MATH 241 Calculus IV (5)
MATH 347 Introductory Differential Equations (4)
PHYS 151 General Physics I (4)
PHYS 152 General Physics II (4)
PHYS 153 General Physics III (4)
PHYS 161 Mechanics Lab (1)
PHYS 162 Heat and Optics Lab (1)
PHYS 163 Instrumentation Lab I (1)
TCOM 205 Introduction to Technical Writing (5)

or MENG 381 Laboratory Analysis and Report (5)

Required Departmental Courses (68–69 credits)

EENG 160 Digital Circuits (4)
EENG 209 Circuit Theory I (5)
EENG 210 Circuit Theory II (5)
EENG 250 Digital Hardware (2)
EENG 260 Microcontroller Systems (4)
EENG 320 Signals and Systems I (5)
EENG 321 Signals and Systems II (5)
EENG 350 Microelectronics I (5)
EENG 351 Microelectronics II (5)
EENG 350 Energy Systems (5)
EENG 360 Hardware Description Languages (5)
EENG 383 Applied Stochastic Processes (4)
EENG 388 Applied Stochastic Processes Lab (1)
EENG 401 Engineering Applied Electromagnetics (5)

or PHYS 401 Electromagnetism I (4)
EENG 490A Senior Capstone: Design Laboratory I (2)
and EENG 490B Senior Capstone: Design Laboratory II (3)
TECH 393 Technology in World Civilization (4)

Electrical Engineering electives chosen from the following list (25 credits). Students must take at least three courses from one area of concentration.

A. Power Systems

EENG 450 Power Systems Analysis (5)
EENG 452 Protective Relays (5)
EENG 470 Control Systems (5)

B. Communications and Signal Processing

EENG 420 Digital Signal Processing (5)
EENG 440 Digital Communication Systems (5)
EENG 470 Control Systems (5)

C. VLSI and Circuit Design

EENG 430 CMOS Digital Integrated Circuits Design (5)
EENG 435 Analog Integrated Circuits Design (5)
EENG 460 Computing Systems: Organization and Design (5)

or EENG 461 Embedded System Design (5)

Other Courses

EENG 415 Introduction to Computer Communication Networks (5)
EENG 425 Principles of Digital Image Processing (5)
EENG 442 Mobile Communications (5)
EENG 471 Digital Control Systems (5)
EENG 495 Internship (1–6)
<table>
<thead>
<tr>
<th>Required supporting credits</th>
<th>59 credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required program credits</td>
<td>68–69 credits</td>
</tr>
<tr>
<td>Electrical engineering elective credits</td>
<td>25 credits</td>
</tr>
<tr>
<td>Minimum total credits for above degree</td>
<td>152 credits</td>
</tr>
</tbody>
</table>

**BACHELOR OF SCIENCE (BS)**

**MECHANICAL ENGINEERING (146–147 CREDITS)**

This degree combines studies in selected areas of engineering, physics, mathematics, and science to prepare students to solve real-world problems in mechanical engineering. The Bachelor of Science in Mechanical Engineering Degree is accredited by the Engineering Accreditation Commission of ABET, www.abet.org. The first two years of the curriculum allow students to establish a solid foundation in mathematics, sciences and introduces foundation subjects in mechanical engineering. The third and fourth year curriculum explores further areas in Mechanical Engineering and a capstone is introduced into the fourth year. The senior year capstone course allows the students to consolidate their education experience. The primary objective of the Mechanical Engineering program is to prepare students to enter and progress in mechanical engineering positions in business, industry and government. Graduates are generally expected to work in the research and development of ideas, products and processes by applying engineering principles to the solution of practical problems in the mechanical engineering field.

**Required Supporting Outside Department Courses (45 credits)**

- CHEM 151 General Chemistry (5)
- MATH 161 Calculus I (5)
- MATH 162 Calculus II (5)
- MATH 163 Calculus III (5)
- MATH 241 Calculus IV (5)
- MATH 347 Differential Equations (5)
- PHYS 151 General Physics I (4)
- PHYS 152 General Physics II (4)
- PHYS 153 General Physics III (4)
- PHYS 161 Mechanics Lab (1)
- PHYS 162 Heat and Optics Lab (1)
- PHYS 163 Instrumentation Lab I (1)

**Required Departmental Courses (101–102 credits)**

- MENG 201 Introduction to Matlab (4)
- or CS 255 C Programming for Engineers (5)
- MENG 207 Electricity (4)
- MENG 217 3D Parametric Computer Aided Design (4)
- MENG 240 Statics (4)
- MENG 241 Strength of Materials (4)
- MENG 242 Dynamics (4)
- MENG 355 Industrial Materials (5)
- MENG 380 Thermodynamics (5)
- MENG 381 Laboratory Analysis and Reports (5)
- MENG 382 Fluid Mechanics (5)
- MENG 385 Robotics and Automation (5)
- MENG 386 Engineering Numerical Analysis (5)
- MENG 405 Design of Machine Elements (5)
- MENG 407 Heating, Ventilating and Air Conditioning (5)
- MENG 412 Fundamentals of Engineering (2)
- MENG 444 Heat Transfer (5)
- MENG 452 Engineering Economics (2)
- MENG 490A Senior Capstone: Design Laboratory I (2)
- MENG 490B Senior Capstone: Design Laboratory II (3)
- MENG 493 Senior Seminar (1)
- MENG 495 Internship (6)*
- METC 456 Engineering Ethics, Contracts and Patents (2)
- TECH 301 Metallic Processes (5)
- TECH 395 Technology in World Civilization (4)

**Required supporting credits**

| 45 credits |
|-----------------------------|-----------|
| Required program credits    | 101–102 credits |
| Minimum total credits for above degree | 146 credits |

**BACHELOR OF SCIENCE (BS)**

**Student Learning Outcomes—students will:**

- show respect for diversity and a knowledge of contemporary professional, societal and global issues;
- develop the ability to understand professional, ethical or social responsibilities;
- function effectively on teams;
- communicate effectively;
- develop appropriate mastery of the knowledge, techniques, skills and modern tools of their disciplines;
- conduct, analyze and interpret experiments and apply results to improve processes.

**MECHANICAL ENGINEERING TECHNOLOGY (146 CREDITS)**

This degree combines studies of Mathematics, Computer Science, Physics and Mechanical Engineering Technology with an emphasis on applications. The Bachelor of Science in Mechanical Engineering Technology Degree is accredited by the Engineering Technology Accreditation Commission of ABET, www.abet.org. Before graduation each student will participate in a design project or an internship in industry to gain industrial experience during his or her academic career before employment. The emphasis of this program is the application of engineering principles to the solution of practical problems. MET graduates are in great demand and are employed in a variety of interesting, high-tech careers throughout the state and region. Employment opportunities are available in mechanical design, industrial engineering technology, industrial management, manufacturing, CAD, applied research and sales and service.

**Required Supporting Outside Department Courses (30 credits)**

- CHEM 151 General Chemistry (5)
- MATH 161 Calculus I (5)
- MATH 162 Calculus II (5)
- PHYS 131 Introductory Physics I (4)
- PHYS 132 Introductory Physics II (4)
- PHYS 151 General Physics I (4)
- PHYS 152 General Physics II (4)
- PHYS 153 General Physics III (4)
- PHYS 154 General Physics IV (4)
- PHYS 159 Introduction to Systems Modeling (4) (see note below)
- PHYS 207 Electricity (4)
- PHYS 217 3D Parametric Computer Aided Design (4)
- PHYS 353 Industrial Materials (5)
- PHYS 381 Laboratory Analysis and Reports (5)
- PHYS 385 Robotics and Automation (5)
- PHYS 412 Fundamentals of Engineering (2)
- MENG 493 Senior Seminar (1)
- METC 110 Engineering Graphics (5)
- METC 340 Statics (5)
- METC 341 Strength of Materials (4)
- METC 342 Dynamics (4)
- METC 387 Fluid Mechanics (5)
- METC 388 Thermodynamics and Heat Transfer (5)
- METC 415 Design of Machine Elements (5)
- METC 456 Engineering Ethics, Contracts and Patents (2)
- METC 490A Senior Capstone: Design Laboratory I (2)
- METC 490B Senior Capstone: Design Laboratory II (3)
- METC 495 Internship (6)*
- TECH 301 Metallic Processes (5)
- TECH 395 Technology in World Civilization (4)
- TECH 403 Computer Aided Design and Project Management (4)

**Required Supporting Departmental Courses (15 credits)**

Choose three of the following courses

- METC 407 Heating, Ventilation and Air Conditioning (5)
- METC 417 Advanced Parametric Analysis and Simulation (5)
- METC 468 Quality Assurance and Intro to Lean (5)
- TECH 404 Computer Numerical Control (5)
Required supporting credits 30 credits
Required mathematics supporting credits 10 credits
Required program credits 91–92 credits
Required supporting program credits 15 credits
Minimum total credits for above degree 146 credits

Note: *If an internship cannot be found by student, independent study METC 491 Senior Project (6) may be substituted.

Note: Including university requirements for the degree the above program requires a minimum of 188 credits or an average load of 15.67 credits per quarter, for a 12 quarter, four-year program. The 188 credits are based on the following assumption: a. students have had one year of high school drafting. If this assumption is not true, then the student will have to take METC 102 Introduction to Engineering Graphics (4).

BACHELOR OF SCIENCE (BS)

Student Learning Outcomes—students will:

• develop an appropriate mastery of the knowledge, techniques, skills and modern tools of their disciplines;
• develop a recognition of the need for, and the ability to engage in, lifelong learning;
• develop a commitment to quality, timeliness and continuous improvement;
• communicate effectively;
• identify, analyze and solve technical and creative problems;
• develop an ability to understand professional, ethical or social responsibilities.

TECHNOLOGY WITH APPLIED TECHNOLOGY OPTION (91 CREDITS)

This program is designed for students who have graduated with an associate degree in applied arts and sciences (AAAS), associate degree in applied science (AAS), associate degree in technical arts (ATA) in computer technology, electronics technology, mechanical engineering technology, civil engineering technology, drafting/design technology and similarly named programs at community colleges. This degree allows students to continue their education by taking liberal arts courses, additional advanced technology courses and supporting courses to complete a Bachelor of Science Degree.

Required Supporting Outside Department Courses (45 credits)
CHEM 121 Chemistry and its Role in Society (5)
or CHEM 151 General Chemistry (5)
CMST 340 Intercultural Communication (5)
ECON 100 General Education Economics (5)
HIST 110 American Experience: A Survey (5)
or HIST 305 Paths to the American Present (5)
MATH 142 Precalculus II (5)
or MATH 107 Mathematical Reasoning (5)
PHIL 210 Critical Thinking (5)
PHYS 100 Physical Science (5)
TCOM 205 Introduction to Technical Communication (5)

General Science Course (5)*

Required Departmental Courses (46 credits)
TECH 330 Technology Problem Analysis and Design I (3)
TECH 331 Technology Problem Analysis and Design II (5)
TECH 393 Technology in World Civilization (4)
TECH 403 Computer-Aided Design and Project Management (4)
TECH 452 Engineering Economics (2)
TECH 454 Environmental Engineering (2)
TECH 456 Engineering Ethics, Contracts and Patents (2)
TECH 458 Quality Assurance (4)
TECH 462 Industrial Safety Engineering (4)
TECH 490 Senior Capstone: Production Laboratory (4)
TECH 491 Senior Project (4)
TECH 495 Internship (10)

Required supporting credits 45 credits
Required program credits 46 credits
Total credits for above option 91 credits

Note: Entrance into this program requires an AAS, AAAS, ATA or similar degree in an approved area from an accredited two-year college. Applicants must have a GPA 2.5 for the Technology coursework in the AAS, AAAS, ATA degree. Graduation requires maintaining an overall GPA 2.5 for this option.

Note: *5 credits in general science in any course equivalent to an EWU approved general science course.

Note: This program requires an average of 15–16 credits per quarter to complete in two years. The 91 credits are based upon the following assumption: students will have satisfied university competencies. If this assumption is not true, then the student will have to complete up to six more credits of classes. (See university competencies in this catalog.)

TECHNOLOGY WITH CONSTRUCTION MANAGEMENT OPTION (122 CREDITS)

The construction option focuses on selected areas of technology, physics, construction materials and techniques, emphasizing courses such as construction estimating, soils and surveying, building codes, and architecture. This concentration prepares graduates to enter and progress in supervisory or management positions in the construction industry. Initial employment may be as an estimator, laboratory technician in materials testing, construction inspector or field engineer.

Required Supporting Outside Department Courses (40 credits)
CHEM 121 Chemistry and its Role in Society (5)
or CHEM 151 General Chemistry (5)
CMST 340 Intercultural Communication (5)
ECON 100 General Education Economics (5)
HIST 110 American Experience: A Survey (5)
or HIST 305 Paths to the American Present (5)
MATH 142 Precalculus II (5)
PHIL 210 Critical Thinking (5)
PHYS 131 Introductory Physics I (4)
PHYS 161 Mechanics Lab I (5)
TCOM 205 Introduction to Technical Communication (5)

Required Departmental Courses (82 credits)
METC 110 Engineering Graphics (5)
METC 340 Statics (5)
METC 341 Strength of Materials (4)
TECH 235 Construction Materials and Techniques (5)
TECH 305 Construction Estimating (4)
TECH 320 Non-Metallic Processes (5)
TECH 330 Technology Problem Analysis and Design I (3)
TECH 331 Technology Problem Analysis and Design II (3)
TECH 336 Architecture (4)
TECH 345 Soils/Surveying (4)
TECH 354 Building Codes (4)
TECH 393 Technology in World Civilization (4)
TECH 403 Computer-Aided Design and Project Management (4)
TECH 452 Engineering Economics (2)
TECH 454 Environmental Engineering (2)
TECH 456 Engineering Ethics, Contracts and Patents (2)
TECH 458 Quality Assurance (4)
TECH 462 Industrial Safety Engineering (4)
TECH 490 Senior Capstone: Production Laboratory (4)
TECH 491 Senior Project (4)
TECH 495 Internship (6)*

Required supporting credits 40 credits
Required program credits 82 credits
Total credits for above option 122 credits

Note: Including university requirements, the above program requires a minimum of 186 credits, an average of 15 credits per quarter for a 12 quarter, four-year program. The 186 credits are based upon the following assumptions: a. Students have had one year of high school drafting. If this assumption is not true, then the student will have to take METC 102 Introduction to Engineering Graphics (4); b. Students will have satisfied university competencies. If this assumption is not true, then the student will have to complete up to six more credits of classes. (See university competencies in this catalog.)

TECHNOLOGY WITH DESIGN OPTION (129 CREDITS)

The design option prepares the graduate for placement in the world of manufacturing. A student graduating with this option should have mastered the basic skills appropriate for the design, development, manufacturing and sale of consumer products. Students should enter the labor force at the middle-management level. The breadth of preparation in the design option provides a broad foundation from which to build and progress.

Required Supporting Outside Department Courses (45 credits)
CHEM 121 Chemistry and its Role in Society (5)
or CHEM 151 General Chemistry (5)
CMST 340 Intercultural Communication (5)
ECON 100 General Education Economics (5)
HIST 110 American Experience: A Survey (5)
or HIST 305 Paths to the American Present (5)
MATH 142 Precalculus II (5)
PHIL 210 Critical Thinking (5)
PHYS 131 Introductory Physics I (4)
PHYS 132 Introductory Physics II (4)
PHYS 161 Mechanics Lab I (5)
PHYS 162 Heat and Optics Lab I (5)
TCOM 205 Introduction to Technical Communication (5)

Required Departmental Courses (84 credits)
MECH 217 3D Parametric Computer Aided Design (4)
MECH 353 Industrial Materials (5)
METC 110 Engineering Graphics (5)

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MINOR

TECHNOLOGY MINOR (24 CREDITS)

Required Courses (9 credits)
- METC 310 Engineering Graphics (5)
- TECH 393 Technology in World Civilization (4)

Electives (15 credits)
With prior approval of your Department of Engineering & Design advisor, select Technology courses, 8 credits of which must be upper-division courses.

Required program credits 9 credits
Elective credits 15 credits
Total credits for above minor 24 credits

Note: For the above minor the following assumption has been made: students have had one year of high school drafting. If this assumption is not true then the student will have to take METC 102 Introduction to Engineering Graphics (4).

MECHANICAL ENGINEERING MINOR (31 CREDITS)

Required courses (16 credits)
- MENG 217 3D Parametric Computer Aided Drafting (4)
- MENG 240 Statics (4)
- MENG 241 Strength of Materials (4)
- MENG 242 Dynamics (4)

Choose from the following (15 credits minimum)
- MENG 353 Industrial Materials (5)
- MENG 380 Thermodynamics (5)
- MENG 381 Laboratory Analysis and Reports (5)
- MENG 382 Fluid Dynamic (5)
- MENG 385 Robotics and Automation (5)
- MENG 405 Design of Machine Elements (5)
- MENG 407 Heating, Ventilating and Air Conditioning (5)
- MENG 444 Heat Transfer (5)
- MENG 492 Finite Element Analysis (5)

Total minimum number of credits 31 credits

GRADUATE PROGRAM

Engineering & Design offers courses that students may use as part of a degree in communications, multimedia programming and other interdisciplinary areas. These programs are listed in their respective graduate catalog sections.
Electrical Engineering Courses

Terms offered: check with the department or EagleNET.

EENG 160 Digital Circuits (4)
Prerequisite: MTHD 104 or equivalent.
Fundamentals of digital computer design including appropriate number systems, Boolean algebra and basic digital circuits. Methods introduced will include the use of Karnaugh Maps and the Quine-McKluskey process. Computer laboratory work will involve the use of current software for the design, analysis and simulation of digital circuits.

EENG 209 Circuit Theory I (5)
Prerequisites: PHYS 153 or permission of the instructor.
This course is intended to provide electrical engineering students with an understanding of the principles of electric circuits and their applications. Topics include AC/DC circuit-analysis methods such as nodal and mesh analysis, superposition, Norton Theorem, Thevenin Theorem and transient analysis.

EENG 210 Circuit Theory II (5)
Prerequisites: EENG 209.
This course covers circuit analysis using Laplace transform, phasors and AC analysis, AC power, three-phase circuits, magnetically coupled circuits and the ideal rail transistor.

EENG 250 Digital Hardware (2)
Prerequisite: EENG 160.
A continuation of EENG 160, this course presents logic families, hardware characteristics, noise control and modern programmable logic.

EENG 260 Microcontroller Systems (4)
Prerequisite: EENG 160, CSCD 255 or permission of the instructor.
This is an introductory course on microprocessor and microcontroller systems organization. It provides hands-on introduction to meaningful principles for microcomputer based systems. The course emphasizes hardware and software structure and programming techniques and laboratory experiments in input/output programming, memory organization, interrupts and interfacing methods.

EENG 320 Signals and Systems I (5)
Prerequisite: EENG 210 or concurrent enrollment in EENG 210 or permission of the instructor.
This course is an introduction to continuous-time signal analysis. Topics include: generalized functions and the relationship to basic signals including impulses, pulses and unit step; system properties such as linearity, time-invariance and causality; and Fourier analysis.

EENG 321 Signals and Systems II (5)
Prerequisite: EENG 320.
Introduction to Laplace Transform, Z-transform, the Fourier Series, the Fourier Transform, the Discrete Fourier Transform (DFT), the Discrete-Time Fourier Transform (DTFT) and Sampling Theorem. Introduction to analysis of Linear Time-Invariant (LTI) system using above techniques for continuous and discrete time.

EENG 330 Microelectronics I (5)
Prerequisite: CHEM 151, EENG 210.
This course introduces the characterization, modeling and application of semiconductor devices in the context of analog integrated circuits. Emphasis is placed on the development of models for circuit-level behavior of diodes, bipolar transistors, and MOS transistors, and applies the models to the analysis and design of linear amplifiers.

EENG 331 Microelectronics II (5)
Prerequisite: EENG 330.
This course is the second in the characterization, modeling and application of semiconductor devices in the context of analog integrated circuits. The emphasis is on the metal-oxide-semiconductor (MOS) transistor. Topics include differential amplifiers, frequency response and feedback effects.

EENG 350 Energy Systems (5)
Prerequisite: EENG 210.
This course provides an introduction to the different energy sources, methods of electric energy conversion, the electric power system, transformers and electrical machines.

EENG 360 Hardware Description Languages (5)
Prerequisite: EENG 250.
This course introduces methodologies and computer-aided design (CAD) tools for the design of complex electronic systems. The emphasis is on high-level description languages and their use for specifying, designing, simulating and synthesizing digital very large scale integration (VLSI) circuits in MOS (metal-oxide-semiconductor) technologies. Theoretical knowledge will be complemented by hands-on use of several commercial CAD tools.

EENG 383 Applied Stochastic Processes (4)
Prerequisite: MATH 163 or permission of the instructor and must be taken concurrently with EENG 388.
This course provides an introduction to the basic concepts of stochastic processes and their application to engineering problems. Topics include analysis of continuous and discrete random signals and systems, as well as modern estimation techniques.

EENG 388 Applied Stochastic Processes Laboratory (1)
Prerequisite: MATH 163 or permission of the instructor and must be taken concurrently with EENG 383.
This laboratory course introduces basic concepts of stochastic processes and their application to engineering problems.

EENG 401 Engineering Applied Electromagnetics (5)
Prerequisite: EENG 210, MATH 241.
This course provides students with the technical basis to analyze electromagnetic applications in circuit theory and basic concepts of wave propogation. Topics include field models, vector analysis, electrostatics, magnetostatics, Maxwell’s equations for time-varying fields and plane wave propagation.

EENG 415 Introduction to Computer Communication Networks (5)
Prerequisite: Junior standing.
Fundamentals of data communication, telephone/cellular/computer networks, layered network architecture, OSI model, data link layer functions and protocols including ARQ, network layer functions and protocols including IP, transport layer functions and protocols including TCP. Basic MATLAB programming experience is necessary for this course.

EENG 425 Principles of Digital Image Processing (5)
Prerequisite: EENG 321.
Image representation, color spaces, image filtering and enhancement, image transforms and image/video coding.

EENG 420 Digital Signal Processing (5)
Prerequisite: EENG 321.
This course provides an introduction to digital signal processing. Convolution, time invariance and stability of linear systems are presented. In addition, various signal processing techniques such as Z-transform, discrete Fourier transform (DFT) and fast Fourier transform (FFT) are studied. Time-frequency domain techniques for designing and applying infinite impulse response (IIR) and finite impulse response (FIR) digital filters are introduced.

EENG 430 CMOS Digital Integrated Circuits Design (5)
Prerequisites: EENG 160, EENG 351.
This course provides students with the theoretical and practical knowledge required for analyzing and designing digital integrated circuits and systems using complementary metal-oxide-semiconductor (CMOS) technology. Lab includes hands-on use of a variety of state-of-the-art computer-aided design (CAD) tools and design techniques.

EENG 435 Analog Integrated Circuits Design (5)
Prerequisite: EENG 331.
This course provides students with the theoretical and practical knowledge required for analyzing and designing analog integrated circuits and systems in CMOS and BJT technologies. Topics include operational amplifier design, biasing and reference circuits, stability, and selected applications of analog circuits (e.g., filters, comparators, data converters, transceiver blocks).

EENG 440 Digital Communication Systems (5)
Prerequisites: EENG 321, EENG 383.
This course provides students with a solid background in modern digital communication systems. Random processing is applied in the realm of communication theory. Common digital modulation and demodulation techniques are presented. Other topics include bandwidth transmission of binary data, coherent/noncoherent communications, intersymbol interference and equalization.

EENG 442 Mobile Communications (5)
Prerequisite: EENG 440.
This course covers antennas and propagation, signal encoding techniques; spread spectrum, coding and error control, cellular and wireless control.

EENG 450 Power System Analysis (5)
Prerequisite: EENG 350.
The course provides students with the ability to analyze power systems from technical and economic perspectives. It includes various components, calculation of line parameters, power flow control, representation of transmission lines and power components.

EENG 452 Protective Relays (5)
Prerequisite: EENG 450.
This course provides students with the technical basis to analyze and design protection for power systems. Topics include per unit and phasors, symmetrical components, relay input sources, protection fundamentals, system grounding principles and protection of power system components.

EENG 460 Computing Systems: Organization and Design (5)
Prerequisites: CSCD 255, EENG 360.
This course provides the theoretical and practical knowledge required for analyzing and designing complex computing systems. Topics include computer performance, MIPS assembly language, integer and floating point arithmetic, designing a processor, pipelining and memory hierarchies. Assembly programming and design using VHDL are offered in weekly labs.

EENG 461 Embedded System Design (5)
Prerequisites: EENG 160 or permission of the instructor.
This course provides students with the theoretical and practical knowledge required for analyzing and designing embedded computing systems. The key challenge of embedded systems is to optimize the various design metrics and to assess the impact that the organization and interfacing of hardware/software components have on system performance. Hands-on experience using various hardware, such as Field Programmable Gate Arrays (FPGA) and microcontrollers, will be offered in weekly labs.

EENG 470 Control Systems (5)
Prerequisite: EENG 321.
This course reviews basic topics such as transfer function, step response and stability conditions. Other topics include feedback systems, analysis techniques such as root-locus analysis, transient and steady-state response analyses and frequency response analysis are studied. In addition, state-space analysis techniques are explained within the context of state-space system models. Analysis and design of proportional, integral and derivative (PID), PI and PD controllers are presented.
EENG 471 Digital Control Systems (5)
Prerequisite: EENG 470.
This course provides students with the technical basis to understand and analyze digital control systems. Topics include frequency response, modeling digital control systems, steady-state error, stability, and design and state-space models. An introduction to Lyapunov techniques is presented.

EENG 490A Senior Capstone: Design Laboratory I (2)
Prerequisites: senior standing. Satisfies: senior capstone university graduation requirement.
This course will simulate the industrial environment, where students will have to work in a team to solve a real-world problem, from design to implementation. Team dynamics will be strictly monitored and each student’s unique skills will be utilized in different stages of the design process. Dealing with problems typical of a team environment will result in an invaluable learning experience both in the professional and civic lives of the students.

EENG 490B Senior Capstone: Design Laboratory II (3)
Prerequisites: EENG 490A. Satisfies: senior capstone university graduation requirement.
See description for EENG 490A.

EENG 491 Senior Project (1–6)
Prerequisite: permission of instructor.
Independent and/or group study and implementation of a design and development project. (variable time)

EENG 495 Internship (1–6)
Note: graded Pass/Fail.
Prerequisites: junior or senior status and permission of the instructor, department chair and dean.

EENG 499 Directed Study (1–10)
Prerequisite: permission of the instructor, department chair and dean.

Designed for students wanting to pursue a subject beyond the scope of regular courses.

### Mechanical Engineering Courses

**Terms offered:** check with the department or EagleNET.

**MENG 201 Introduction to MATLAB (4)**
Prerequisite: MATH 141.
This course introduces the student to the application of basic MATLAB building blocks to engineering problems as well as to a thorough introduction to data visualization, data analysis, symbolic calculations, numeric computations and other basic skills related to MATLAB.

**MENG 207 Electricity (4)**
Prerequisite: MATH 162, PHYS 133 or PHYS 153.
This course is intended to provide students with a basic understanding of electricity and its applications. In this course, basic concepts of current, voltage and resistance will be presented as well as basic circuit analysis methods including inductor and capacitor.

**MENG 217 3D Parametric Computer Aided Design (4)**
Prerequisite: METC 110 or High School AUTOCAD or permission of instructor.
This course uses the computer to draft parametric models in three dimensions. File management techniques, rapid prototyping and 3D drawing development techniques are discussed. (Four hours per week.)

**MENG 240 Statics (4)**
Prerequisites: PHYS 151, MATH 161 or Technical Calculus I or equivalent.
Fundamentals of applied mechanics, equivalent force systems, equations of equilibrium, structures, three dimensional force systems and friction. (Two hours lecture, four hours laboratory per week.)

**MENG 241 Strength of Materials (4)**
Prerequisites: MENG 240, MATH 162, PHYS 152 or Technical Calculus II or equivalent.
A study of the internal stresses, internal deformations and deflections of materials. Topics may include: shear and moment diagrams for beams, combined loading on beams, temperature and torsional loading. (Four hours lecture per week.)

**MENG 242 Dynamics (4)**
Prerequisite: MENG 240.
Kinematics and kinetics of particles and rigid bodies using vector analysis; force mass acceleration, work and energy, impulse and momentum, translating and rotating coordinate system. (Four hours lecture per week.)

**MENG 353 Industrial Materials (5)**
Prerequisite: CHEM 121 or CHEM 151.
Students in this course achieve a thorough understanding of engineering materials, their properties, responses and applications. Laboratory work includes destructive and non-destructive testing and investigation of microscopic structures of industrial materials.

**MENG 380 Thermodynamics (5)**
Prerequisite: PHYS 152, MATH 162; MENG 381 (may be taken concurrently).
This course explores properties of materials, work, heat, conservation of mass and energy transformation processes. Emphasis is on application of the first and second laws to engineering systems.

**MENG 381 Laboratory Analysis and Reports (5)**
Prerequisite: PHYS 153 or PHYS 153; MATH 162.
This course examines the different aspects of laboratory analysis and report writing. This includes the application of engineering problems, analysis of data including error analysis and data interpretation, instrumentation and measurements. In addition, the application of spreadsheets for solving and analyzing engineering problems, creating technical graphs, trend and curve fitting and project management will be addressed.

**MENG 382 Fluid Mechanics (5)**
Prerequisite: PHYS 152, MATH 162; MENG 381 (may be taken concurrently).
This course introduces the student to theory, concepts and applications of fluid mechanics. Topics include static and dynamic forces; conservation of mass, energy and momentum; flow in pipes and ducts; and fan and pump performance. Laboratory work is included.

**MENG 385 Robotics and Automation (5)**
Prerequisite: MENG 207 or TECH 208 or permission of the instructor.
This course covers electrotechnical and mechanical systems used in robotics and other automated industrial systems. It includes automated equipment programming and industrial planning as applied to automated systems. (Three hours lecture, four hours laboratory per week.)

**MENG 386 Engineering Numerical Analysis (5)**
Prerequisite: PHYS 153, MATH 163; and either CSCI 255 or MENG 201.
This course covers a multitude of numerical approximation methods used to solve specific structural engineering problems and highlights the algorithms used in many common scientific software packages.

**MENG 405 Design of Machine Elements (5)**
Prerequisite: MATH 241 or EENG 241, MENG 353.
This course covers the design of machine components and mechanisms and utilizes the concepts of engineering mechanics and strength of materials.

**MENG 407 Heating, Ventilating and Air Conditioning (5)**
Prerequisite: PHYS 152.
The study of the principles of Heating, Ventilating and Air Conditioning (HVAC) including the investigation of the basic calculations to determine heating and cooling load and the study of the basic equipment design for HVAC.

**MENG 412 Fundamentals of Engineering (2)**
Prerequisite: senior standing in CET or EE, ME, MET, or permission of instructor.
This course reviews the fundamentals of engineering.
It provides an overview of principles of practice of engineering and assists students in preparation for the first steps in professional licensure.

**MENG 444 Heat Transfer (5)**
Prerequisites: MATH 241, MATH 347, MENG 380, MENG 381 (may be taken concurrently) and MENG 386.
This course provides a detailed calculus-based analysis of the heat transfer through solids, fluids and vacuums. Concepts include convection, conduction, radiation, heat transfer in one and two dimensions for steady and unsteady states.

**MENG 452 Engineering Economics (2)**
Cross-listed: TECH 452.
Prerequisite: junior standing or permission of instructor.
This course focuses on the systematic evaluation of the economic benefits and costs of projects involving engineering design and analysis. Engineering economics quantifies the benefits and costs associated with engineering projects to determine whether they make (or save) enough money to warrant their capital investment.

**MENG 490A Senior Capstone: Design Laboratory I (2)**
Prerequisites: MENG 241, MENG 490A and senior standing.
Satisfies: senior capstone university graduation requirement.
This course simulates the industrial environment, where students work to solve a real-world problem from design to implementation. Team dynamics and project constraints are strictly monitored and each student’s unique skills are utilized in different stages of the design process.

**MENG 490B Senior Capstone: Design Laboratory II (3)**
Prerequisites: MENG 490A. Satisfies: senior capstone university graduation requirement.
See description for MENG 490A.

**MENG 491 Senior Project (1–6)**
Prerequisite: permission of instructor.
Independent and/or group study and implementation of a design and development project. (variable time)

**MENG 492 Finite Element Analysis (5)**
Prerequisites: MENG 241, MATH 547.
This course introduces the computational methods to solve engineering problems using the finite element approach. Modeling techniques for different engineering structures such as truss, beam, frames, two and three dimensional solids, and thin-walled structures are introduced in this course. Students solve a wide variety of engineering problems dealing with statics, dynamics, fluid mechanics, heat transfer and design and material selections using the state of art FEA software.

**MENG 493 Senior Seminar (1)**
Note: graded Pass/Fail.
Prerequisite: senior standing or permission of instructor.
This course provides the students firsthand exposure to the latest technological advances directly from the manufacturer or researcher. This helps students in their lifelong learning and provides an opportunity to inquire about particular topics or fields of interest.

**MENG 495 Internship (1–6)**
Note: graded Pass/Fail.
Prerequisites: junior or senior status and permission of the instructor, department chair and dean.
Mechanical Engineering Technology Courses

Terms offered: check with the department or EagleNET.

**METC 102 Introduction to Engineering Graphics (4)**
Prerequisite: graded Pass/Fail.
This course offers an introduction to the fundamentals of technical drawing. It emphasizes the technical methods used to describe the size and shape of objects. This course will not satisfy elective requirements for a major or minor in Technology.

**METC 110 Engineering Graphics (5)**
Prerequisites: METC 102, two years of high school drafting or equivalent.
A study of the technical portion of the graphics language. This language, technical drawing, is used by engineers to communicate proposed designs and new ideas. Includes the theory and practice of descriptive geometry and the graphic representation of data.

**METC 340 Statics (5)**
Prerequisite: PHYS 131, MATH 142 or equivalent.
A study of applied mechanics and the principles of statics dealing with forces and with the effects of forces acting upon rigid bodies at rest. (Four hours lecture per week.)

**METC 341 Strength of Materials (4)**
Prerequisite: METC 340.
A study of the relationship that exists between externally applied forces and internally induced stresses in combinations and parts, including the relationship existing between these same externally applied forces and the resulting deformations. (Four hours lecture per week.)

**METC 342 Dynamics (4)**
Prerequisite: PHYS 130 and MATH 162.
This course is a study of the motion of rigid bodies and forces affecting their motion. Topics include kinematics and kinetic of motion, curvilinear motion, plane motion, work, energy and power, impulse and momentum. (Four hours lecture per week.)

**METC 384 Energy Management and Utilization (5)**
Prerequisite: MENG 380.
The study of energy usage and energy management within industrial facilities. The development of Energy audit procedures including the energy-saving calculations for industrial settings. Students will develop and explore the creation of industrial energy audits through the extensive use of case studies.

**METC 387 Fluid Mechanics (5)**
Prerequisites: PHYS 132 or 152; MATH 162; TCOM 205 or MENG 381 (may be taken concurrently).
This course introduces the student to theory, concepts and applications of fluid mechanics. Topics include static and dynamic forces; conservation of mass, energy and momentum; flow in pipes and ducts; and fan and pump performance. Laboratory work is included.

**METC 388 Thermodynamics and Heat Transfer (5)**
Prerequisites: PHYS 132 or 152; MATH 162; TCOM 205 or MENG 381 (may be taken concurrently).
This course introduces the student to theory, concepts and applications of thermodynamics and heat transfer. Topics include properties of materials, work, heat, conservation of mass and energy, energy transformation processes, and heat transfer via conduction, convection and radiation.

**METC 415 Design of Machine Elements (5)**
Prerequisites: METC 341, MENG 353, and MATH 162 or permission of instructor.
This course covers the design of machine components and mechanisms and utilizes the concepts of engineering mechanics and strength of materials.

**METC 417 Advanced Parametric Design and Simulation (5)**
Prerequisites: MENG 217, MATH 162, METC 341 or MENG 241.
Advanced techniques and best practices for parametric design of parts and assemblies. These advanced methodologies include design simulation and analysis including stress analysis, thermal analysis, flow analysis, vibration and motion studies, and design optimization.

**METC 456 Engineering Ethics, Contracts and Patents (2)**
Cross-listed: TECH 456.
Prerequisite: junior standing or permission of instructor.
This course investigates the elements of professional engineering practice including their relationship to the law, to the public and the ethics of the profession. Topics covered range from ethics, contracts, patents, copyrights, sales agreements and engineering specifications in a professional setting. Licenses, intellectual property, liability, risk, reliability and safety. Further discussion areas include interdisciplinary teams, team tools, codes, standards, professional organizations, care of the client, entrepreneurship, human factors and industrial design.

**METC 468 Quality Assurance and Intro to Lean (5)**
Prerequisites: PHYS 152 or PHYS 152J; MATH 162; TCOM 205 or MENG 381 (may be taken concurrently).
Application and theory of quality control and continuous improvement systems. This includes statistical analysis, design of experiments, development and use of process control charts, sampling processes, time and motion studies, and introduction to other Lean tools.

**METC 490A Senior Capstone: Design Laboratory I (2)**
Prerequisite: MATH 162, METC 341 (may be taken concurrently), TECH 301 and senior standing.
Satisfies: senior capstone university graduation requirement.

**METC 490B Senior Capstone: Design Laboratory II (3)**
Prerequisite: METC 490A.
Satisfies: senior capstone university graduation requirement.
See description for METC 490A.

**METC 491 Senior Project (3–10)**
Prerequisite: permission of the instructor.
Independent and/or group study and implementation of a design and development project. (Variable time)

**METC 495 Internship (1–15)**
Note: graded Pass/Fail.
Prerequisite: junior or senior status and permission of the instructor, department chair and dean.
(A maximum of 5 credits may be earned toward electives for a Technology major. Students considering electives for a Technology minor should consult with their departmental advisor.)

Technology Courses

Terms offered: check with the department or EagleNET.

**TECH 208 Survey of Electricity (4)**
Prerequisite: pre-university basic skill in mathematics.
Introduces the student to direct current, alternating current (including residential wiring) and amplifying devices. (Three hours lecture, two hours laboratory per week.)

**TECH 235 Construction Materials and Techniques (5)**
Prerequisite: METC 102, two years of high school drafting or equivalent.
This course introduces various materials and techniques used in construction. Students gain an understanding of the fundamental principles of structural, physical and long-term performance of some of these materials through lecture and lab experiments. Students also gain an understanding of some of the mechanical and non-mechanical properties of various materials, common construction methods and knowledge of material properties and applications in construction.

**TECH 299 Special Studies (1–6)**
Prerequisites: permission of the instructor, department chair and college dean.

**TECH 301 Metallic Processes (5)**
Prerequisite: MATH 141.
Metallic Processes is a comprehensive basic course in technical metals which is designed to survey metalworking materials and processes which have been developed by modern industry. The course provides opportunity to learn the theories and scientific principles basic to the application of metalworking tools and procedures. (Three hours lecture, four hours laboratory per week.)

**TECH 305 Construction Estimating (4)**
Prerequisite: TECH 235, TECH 320.
This course provides students with the ability to estimate construction costs by reading and interpreting technical drawings. Primary focus is on calculating materials, labor and equipment cost for both residential and commercial building projects. Students generate quantity takeoffs for specific building projects.

**TECH 320 Non-Metallic Processes (5)**
Prerequisite: METC 110.
Survey of non-metallic materials (such as woods, plastics and ceramics) and industrial processes utilized to convert raw materials into finished products. Course includes characteristics and properties of non-metallic materials and utilization of material tools and processing equipment. (Three hours lecture, 4 hours laboratory per week.)

**TECH 330 Technology Problem Analysis and Design I (3)**
Prerequisites: CPE 101 and junior standing or permission of the instructor.
Development of advanced skills in technical problem analysis, planning, research, solution strategies, critical thinking and presentation. Computer-aided design tools such as AutoCAD, project-planning software, spreadsheets, as well as imaging and publishing software, will be used. Emphasis will be on consideration of interconnected systems.

**TECH 331 Technology Problem Analysis and Design II (3)**
Prerequisite: TECH 330.
Development of student’s synthesis, design, organizational and learning skills through examination of current research and/or design topics in technology.

**TECH 335 Architecture (4)**
Prerequisite: METC 110.
Design, layout and development of residential dwellings and large structures. (Four hours lecture per week.)
This course introduces soil mechanics and site surveying. Through lecture and field work the course examines characteristics and compositions of soil, soil classification systems and the strength of soil masses. Students practice fundamentals of construction surveying, including tapping, leveling, angular measurement, traversing, topographic surveying, building layout and grade staking.

TECH 354 Building Codes (4)  
Prerequisite: TECH 310, TECH 335. Building Codes is a comprehensive course pertaining to International Building Codes (IBC). Emphasis is placed on code requirements for both commercial and residential applications to include structural, mechanical, plumbing, fire, fuel gas and private sewage code requirements.

TECH 393 Technology in World Civilization (4)  
Cross-listed: HONS 393. Prerequisite: ENGL 101. Satisfies: General studies university graduation requirement. Students will investigate the issues surrounding technological change in discrete cultural settings with a historical perspective of the evolution of technology in a global context.

TECH 402 Machine Tool I (5)  
Prerequisite: METC 110, TECH 301. A comprehensive course in machine tool operations, both manual and CNC. Course includes cutting operations, precision measurement, set up and CNC programming. (Three hours lecture, four hours laboratory per week.)

TECH 403 Computer-Aided Design and Project Management (4)  
Prerequisites: TECH 301, TECH 402. This course provides the learner with experience utilizing CNC processes. Programming methods will include manual, CAM software and conversational languages.

TECH 406 Welding Technology (4)  
Prerequisite: TECH 301 or permission of the instructor. Theory and practice of welding ferrous and nonferrous metals. Practice in oxyacetylene, shielded metal arc and inert gas processes. (Four hours lecture, four hours laboratory per week.)

TECH 430 Machine Tool II (5)  
Prerequisite: TECH 301, TECH 402. Application and theory in the design, development and function of tooling, dies, molds, jigs and fixtures. Laboratory experiences provide a problem solving approach to the development of prototypes in both unit and mass production applications. (Five hours lecture, four hours laboratory per week.)

TECH 451 Senior Project 3–10  
Prerequisites: TECH 340, TECH 352, TECH 354, TECH 402, TECH 403, TECH 404, TECH 406, TECH 420, TECH 430, TECH 440, TECH 450, TECH 452, TECH 454. Independent and/or group study and implementation of a design and development project. (Variable time)

TECH 454 Environmental Engineering (2)  
Prerequisite: junior standing or permission of instructor. This course explores ways to promote the design and manufacturing of environmentally sound products and processes. Benefits include environmentally-friendly introductions of new and efficient operations and the good will of an informed public that expects a clean, healthy environment.

TECH 456 Engineering Ethics, Contracts and Patents (2)  
Cross-listed: TECH 404, HUM 101, TECH 335. Prerequisite: junior standing or permission of instructor. This course investigates the elements of professional engineering practice including their relationship to the law, to the public and the ethics of the profession. Topics covered range from ethics, contracts, patents, copyrights, sales agreements and engineering specifications to professionalism, licensing, intellectual property, liability, risk, reliability and safety. Further discussion areas involve interdisciplinary teams, team tools, codes, standards, professional organizations, careers, entrepreneurship, human factors and industrial design.

TECH 458 Quality Assurance (4)  
Prerequisite: junior standing. Application and theory of quality control systems including development and use of process control charts, sampling, time and motion studies and statistical analysis. (Four hours lecture, one hour laboratory per week.)

TECH 462 Industrial Safety Engineering (4)  
Fundamentals of safety, classification of hazards, accident statistics, organization problems, safety codes, machine guarding, mechanical, electrical and chemical hazards, ventilation, respiratory and safety devices. (Four hours lecture per week.)

TECH 490 Senior Capstone: Production Laboratory (4)  
Prerequisite: senior standing. Satisfies: senior capstone university graduation requirement. The course simulates the real world situation that many of the graduates from the department will face. The students will work in teams to apply techniques of production management, product design/development, plant layout, scheduling, cost accounting, assembly, inspection and quality control to produce a product. The course will simulate a real world design team concept by utilizing a design group that contains members of different program majors. The team, to accomplish its goals, is required to draw on each other’s unique skills learned in stated goal. In industry often a design team is formed to develop a new product. The team is made up of members from different departments in the company. Learning to deal with the team dynamics while learning to take advantage of the synergy that can be gained by a diverse team is a valuable learning process for our business as well as civic life. Each student team is to produce a new product (to be mass produced and demonstrated by producing a minimum quantity of 25 units built with unskilled labor utilizing jigs, fixtures and/or CNC controlled machines) and create a final written report to demonstrate how the process and goals of the course have been realized.

TECH 495 Internship (1–15)  
Note: graded Pass/Fail. Prerequisites: junior or senior status and permission of the instructor, department chair and dean. A maximum of 5 credits may be earned toward electives for a Technology major. Students considering electives for a Technology minor should consult with their departmental advisor.

TECH 496 Experimental Course (1–6)  
TECH 497 Workshops, Short Courses or Conferences (1–6)  
TECH 498 Seminar (1–6)  
TECH 499 Directed Study (1–5)  
Prerequisite: permission of the instructor, department chair and college dean. Designed for students wanting to pursue a subject beyond the scope of regular courses.

TECH 504 Communication Technologies (4)  
An accelerated coverage of the theory and application of communication technologies, Emphasis is on competencies and skills required in business and industry including desktop publishing, computer-assisted image generation and manipulation, data translation and communication and presentation media development used in advertising, proposal writing, presentations and publications.

TECH 508 Designing Web Sites (4)  
This course is designed to teach professional methods for designing, producing and publishing web pages and websites. Students will create XHTML and XML based pages, along with still and animated graphics. Emphasis will be on working with clients, planning, developing effective visual and logical designs, optimization for search engines, effective use of color, as well as the technical tools such as code editors, image editors and FTP. Final project involves a live job if possible. Students should discuss options and criteria for the final project with the instructor.

TECH 539 Special Studies in Technology (1–5)  
TECH 550 Computer Graphics (4)  
Prerequisite: METC 110. Computer graphics hardware and software with the emphasis on computer-assisted design and graphics layout.

TECH 596 Experimental Course (1–6)  
TECH 597 Workshop in Technology (1–6)  
Note: only one workshop course for up to 3 credits may be used to fulfill graduate degree requirements.

TECH 598 Seminar (1–6)  
TECH 599 Independent Study (1–6)  
Note: may be repeated within the 6 credits allowed to fulfill the student’s goals and needs in specific areas. Prerequisites: permission of the instructor, department chair and college dean.

TECH 695 Internship (1–6)  
Prerequisite: permission of the instructor, department chair and college dean.

TECH 696 College Teaching Internship (1–5)  
Prerequisites: permission of the instructor, department chair and college dean. Teaching a lower-division college course under supervision of a regular faculty member. Includes course planning, arranging bibliographical and instructional aids, conferences with students, experience in classroom instruction and student course evaluation.
The study of English offers a variety of exciting degree and career choices. At the heart of our programs is a passion for critically, creatively, and professionally understanding and using the English language. The literature option emphasizes the understanding of great literary works and the writing of analytical essays. It develops and refines speaking and writing skills through critical examinations of literary text. The creative writing option emphasizes artistic expression. It builds the skills needed to produce imaginative and inspired, publishable poetry, fiction, and creative non-fiction. The English education major focuses on preparing effective, informed, student-centered teachers of English. It develops skills for instructing and engaging students in English language arts at the elementary and secondary levels. The technical communication major prepares students for professional careers as technical writers. It builds skills in creating, writing, and designing information to support products, organizations, and people in a technology rich society.

In addition to its major degree programs, the Department of English offers undergraduate minor and endorsement programs for those with majors other than English who wish to enrich and expand their studies. Minors in literary studies, English education, and technical communication offer opportunities for intellectual exploration and for enhancing future career choices and success. The department also offers courses as part of the General Education Core Requirements. Courses in composition (required of all students), in literature, and the humanities contribute to a foundation in the liberal arts designed to help students appreciate and better understand cultural and social issues. In addition to its undergraduate majors, the Department of English also offers a range of options for studies at the graduate level for those who seek greater intellectual challenges or academic careers.

Traditional and Non-Traditional Career Paths for English Majors

For the major, the curricula in English are specifically designed to help prepare students in the following fields: creative writing; technical communication; education; and advanced studies in language and literature. In addition to professional careers in education and technical communication, the discipline of English is one of the most recommended pre-professional majors: the development of verbal skills, especially written expression, is of great importance to students planning graduate work in government, business, law or librarianship.

Students with general career goals already in mind should contact the director or co-director of the program in which they may concentrate. This contact should be made as soon as possible to develop a plan of study best suited to the student's individual interests and needs. Students who are unsure of their career goals are invited to discuss their interests with the chair or any other Department of English faculty member.

Programs closely related to English include the Humanities, Journalism, Linguistics, and Religious Studies. These programs, as well as their degree and course offerings, are listed individually in this catalog.

Special Recognition of Outstanding English Majors

Two of the university's most prestigious academic scholarships are offered by the Department of English. The Tieje and Kleiner scholarships are awarded to English majors at the end of their junior years for use in their senior years and represent a major portion of a student's yearly expenses. Outstanding students are nominated each spring quarter by English department faculty.

General Admissions Requirements for English

ENGL 201, or equivalent satisfaction of university proficiencies in writing, is a prerequisite for all 300- and 400-level English courses. Admission into a specific major program requires the completion of a set of departmental pre-major requirements. Students intending to major in any English program must complete the appropriate pre-major before enrolling in any 300- or 400-level English course except with the approval of the chair; otherwise, students are subject to disenrollment.

Common Departmental Pre-Major

Complete ENGL 201 College Composition: Analysis, Research and Documentation, or equivalent, with a grade ≥2.5. English majors are encouraged to register for one of the following to fulfill humanities list one: HUMN 210 Classics in Literature (5) and HUMN 211 Masterpieces of the Western World (5). Specific programs may require a writing sample or an additional course in their pre-major beyond the common departmental pre-major requirements given above.

Pre-Major Admission Procedure for English

Students intending to major in English should contact the department chair or a program director for an initial interview and to fill out the major declaration form. Students then meet with a faculty advisor of the program they wish to enter.

Foreign Language Requirements for English

Two years of a single foreign language in high school or one year of a single foreign language at the college level is required for graduation with a BA major in Creative Writing, Literary Studies or Technical Communications.

Required courses in the following programs of study may have prerequisites. Reference the course description section for clarification.

BACHELOR OF ARTS (BA)

Student Learning Outcomes—students will:

- demonstrate adherence to disciplinary conventions, including grammar, mechanics and appropriate citation style;
- compose sophisticated arguments that are well organized and supported;
- develop essential skills of close reading, effective writing, and critical thinking;
- demonstrate a knowledge of a breadth of literary texts, cultures, and time periods.

ENGLISH MAJOR WITH CREATIVE WRITING OPTION (70 CREDITS)

Creative Writing is a studio program designed to help students publish their artistic work. It is not intended to prepare a student for a specific career; however, our creative writing graduates, while publishing artistic work, have found diversified careers in editing, publishing, grant writing, teaching, professional schools and many fields less directly related to their writing abilities. Courses in technical communications are complementary to these career interests.

Note: two years of a single high school foreign language or one year of a single college level foreign language is required.

Students in the Creative Writing option are encouraged to register for five or more credits from the following list of General Education Core Requirements:

- HUMN 210 Classics in Literature (5)
- HUMN 211 Masterpieces of the Western World (5)
- History courses appropriate to the student's area of literary interest.

Pre-Major Requirements (15 credits)

- ENGL 270 Introduction to Fiction (5)
- ENGL 271 Introduction to Poetry (5)

Requires a grade ≥2.5 in each course and ≥3.00 average for the two courses together. (See Admission Requirements for remaining requirements for the common departmental pre-major.)

This program also requires the following pre-major course:

- CRWR 210 Introduction to Creative Writing (5)

(Students must complete this course with a grade ≥3.0.)
ENGLISH

Department Core (30 credits)
ENGL 340 Survey of British Literature I (5)
ENGL 341 Survey of British Literature II (5)
ENGL 342 Survey of British Literature III (5)
ENGL 343 Survey of American Literature I (5)
ENGL 344 Survey of American Literature II (5)
ENGL 350 Shakespeare (5)

Required Creative Writing Courses (10 credits)
CRWR 311 Form and Theory of Fiction (5)
or CRWR 312 Form and Theory of Poetry (5)
or CRWR 313 Form and Theory of Nonfiction (5)
CRWR 491 Creative Writing Senior Thesis (5) (Cannot be taken until completion of CRWR 311 or CRWR 312 and two CRWR 417 workshops.)

Two of the following three (10 credits)
CRWR 417 Creative Writing Workshop (Poetry) (5)
CRWR 417 Creative Writing Workshop (Fiction) (5)
CRWR 417 Creative Writing Workshop (Nonfiction) (5)

Additional creative writing credits selected from the following (5 credits)
CRWR 311 Form and Theory of Fiction (5)
or CRWR 312 Form and Theory of Poetry (5)
or CRWR 313 Form and Theory of Nonfiction (5)
CRWR 417 Creative Writing Workshop (Fiction, Nonfiction, or Poetry) (5)
CRWR 495 Willow Springs Internship (1–3) (per quarter)

ENGL 360 Publication Design (4)

Pre-major requirement credits 15 credits
Department core credits 30 credits
Creative writing credits 25 credits
Total credits for above major 70 credits

ENGLISH MAJOR WITH LITERARY STUDIES OPTION (25 CREDITS)

Literary Studies is a liberal arts program. It often is recommended as a pre-professional program and is the most appropriate concentration for those students hoping to pursue the study of language and literature at the doctoral level. Many students pursue this concentration for personal enrichment or in preparation for other types of careers or professional schools. Literary Studies majors are generally successful wherever verbal and analytical skills are important.

Note: two years of a single high school foreign language or one year of a single college level foreign language is required.

Pre-Major Requirements (10 credits)
ENGL 270 Introduction to Fiction (5)
ENGL 271 Introduction to Poetry (5)

Note: Requires a minimum grade of 2.5 in each course and a 3.0 average for the two courses together. (See admission requirements for remaining requirements for the common departmental pre-major.)

Department Core (30 credits)
ENGL 340 Survey of British Literature I (5)
ENGL 341 Survey of British Literature II (5)
ENGL 342 Survey of British Literature III (5)
ENGL 343 Survey of American Literature I (5)
ENGL 344 Survey of American Literature II (5)
ENGL 350 Shakespeare (5)

Additional Required Courses (15 credits)
ENGL 273 Critical Methodologies (5)
ENGL 360 Language Structure and Use (5)
ENGL 490 Literature at the Crossroads (Senior Capstone) (5)

Select one of the following courses (5 credits)
ENGL 385 Mythology (5)
ENGL 387 Literature of the Bible (5)

Select two or more of the following seminar courses (10 credits)
ENGL 436 Seminar in Literature—Major Authors (5)
ENGL 437 Seminar in Literature—I—Studies in Genre (5)
ENGL 438 Seminar in Literature III—Literary Eras (5)
ENGL 439 Seminar in Literature IV—Special Topics (5)

Elective—select one 400-level literature course (5 credits)

Pre-major requirement credits 10 credits
Department core credits 30 credits
Literature credits 30 credits
Elective credits 5 credits
Total credits for above major 70 credits

BACHELOR OF ARTS (BA)

Student Learning Outcomes—students will:

• analyze communication problems and propose effective and ethical solutions by clearly identifying and describing the problem and its context, the stakeholders and audiences involved, and the possible outcomes and consequences;
• plan and manage team projects by identifying tasks, creating a time line for task completion, assigning tasks to individuals, and reporting plan and progress to supervisor/client;
• conduct productive research by determining scope of inquiry, identifying credible and useful sources, collecting and assessing data, and arranging data into logical and considerate structures;
• write, design, and edit a variety of professional documents, both print and electronic, using the principles of information design to create usable documents that address audiences' information and organizational needs and engage users in appropriate action;
• locate, create, design, edit, and present information, using proficiently a variety of standard technologies;
• copyedit and proofread quantitative and technical information, reference citations, illustrations, and tables using the established symbols and conventions, style sheets, and correct grammar, mechanics, punctuation, and spelling.

TECHNICAL COMMUNICATION (91–101 CREDITS)

Technical Communication is a professional program designed to prepare students for a career as a technical writer. Technical writers develop, edit, and manage a range of professional documents, including instructional manuals, catalogs, promotional materials, newsletters, organizational policies, websites, training materials, and grant proposals. Because of the diverse nature of the profession, students will need to develop a broad base of professional writing skills, including work in documentation, editing, and information design. Students also choose from two options: one focusing on graphic design and public relations, and the other focusing on information systems (databases) and web development. As part of this program, students will complete a professional internship, requiring at least 200 hours of supervised work in a business, industry or agency related to the student's academic preparation and career goals. Students will also develop basic computer literacy, including working knowledge in desktop publishing and web design practices.

Note: two years of a single high school foreign language or one year of a single college level foreign language is required.

Required Core Courses (45–55 credits)
cross-listed
ENGL 360 Language Structure and Use (5)
TCOM 205 Introduction to Technical Communication (5)

(Students must complete this course with a grade of 3.0.)
TCOM 305 Usability and Information Design . . . (5)
TCOM 399 Grammar for Professional Writers (5)

Note: meets international studies requirement.

Required Elective—select one from the following (5 credits)**
CMST 340 Inter-cultural Communication (5)
DSST 310 Disability, Culture and Society (5)
ENGL 380 Survey of Native American Literatures (5)

IDST 380
ENGL 389 Women, Literature and Social Change (5)
WMST 389

Note: **meets cultural and gender diversity requirements

Degree Options—choose one of the two options for the BA.

OPTION A—TECHNICAL COMMUNICATION WITH VCD AND PR

Required Supporting Courses (41 credits)
CMST 200 Introduction to Speech Communication (4)
DESN 100 Drawing for Communications (5)
DESN 216 Digital Foundations (4)
DESN 360 Publication Design (4)
DESN 368 Web Design I (4)
DESN 375 Digital Video (4)
or DESN 390 Digital Imaging and Photography (4)
or DESN 378 Web Design 2 (4)
or DESN course with program director approval (4)
JRN 451 Introduction to Public Relations Theory (4)
JRN 452 Advanced Public Relations Theory (4)
JRN 453 Public Relations Writing (4)
TECH 393 Technology in World Civilization (4)*

Note: *meets international studies requirement.

**
Required technical communication core credits 45–55 credits
Required supporting credits 41 credits
Required elective credits 5 credits
Minimum total credits for above major 91 credits

OPTION B—TECHNICAL COMMUNICATION WITH INFORMATION SYSTEMS AND WEB APPLICATION

Required Supporting Courses (41 credits)
CSCD 110 Introduction to Programming (5)
CSCD 210 Programming Principles I (5)
CSCD 211 Programming Principles II (5)
CSCD 300 Data Structures (5)
CSCD 327 Relational Database Systems (4)
CSCD 378 Web Application Development (4)
or CSCD 379 .NET Web Application Development (4)
DESN 100 Drawing for Communications (5)
DESN 216 Digital Foundations (4)
DESN 368 Web Design I (4)

Required technical communication core credits 45–55 credits
Required supporting credits 41 credits
Required elective credits 5 credits
Minimum total credits for above major 91 credits

BACHELOR OF ARTS IN EDUCATION (BAE)

Note: see the Education Department for prerequisites, core requirements and additional SLOs.

Student Learning Outcomes—students will:
• reflectively assess their own ongoing development as teachers of English/Language Arts;
• demonstrate their competence in established national standards (such as the guidelines of the National Council of Teachers of English) in content knowledge, pedagogical knowledge and professional disposition.

ENGLISH/SECONDARY MAJOR (70 CREDITS)

SECONDARY EDUCATION CORE (43 CREDITS)

This major satisfies the endorsement for grades 5–12.

Pre-Major Requirements (5 credits)
ENGL 271 Introduction to Poetry (5)
Choose one of the following (5 credits)
ENGL 270 Introduction to Fiction (5)
ENGL 273 Critical Methodologies (5)
Department Core (20 credits)
ENGL 343 Survey of American Literature I (5)
ENGL 344 Survey of American Literature II (5)
ENGL 350 Shakespeare (5)
ENGL 360 Language Structure and Use (5)
Choose two of the following (10 credits)
ENGL 340: Survey of British Literature I (5)
ENGL 341 Survey of British Literature II (5)
ENGL 342 Survey of British Literature III (5)
Note: a minimum grade of 2.5 is required in each of the classes listed above.
Required Courses for Secondary English (20 credits)
ENGL 408 The Composition Process (5)
ENGL 459 Grammar for Teachers (5)
ENGL 490 Department Senior Capstone: Teaching English in Secondary Schools (5)
Note: Check EagleNET for availability. Please see your advisor for the appropriate section.
ENGL 493 Teaching Literature to Adolescents (5)
Note: ENGL 408, ENGL 459 and ENGL 493 are prerequisites for ENGL 490 and cannot be taken concurrently with it. Minimum grade point for each of the English Education methods courses is 3.00 in ENGL 408, ENGL 459 and ENGL 493. Recommended: HUMN 210 or HUMN 211 for partial fulfillment of their GECR in Humanities unless students have DTA degrees from an approved community college.
Electives—two or more 300- or 400-level literature courses (10 credits)
Select in consultation with departmental advisor.

Pre-major requirement credits 10 credits
Required department core credits 30 credits
Required secondary English credits 20 credits
Elective credits 10 credits
Total credits for above major 70 credits

MINORS

Minor programs are available for students interested in combining a general interest in English language and literature with a liberal arts major, for those wishing to study technical writing in preparation for a technical, scientific, professional or communications career and for those planning to teach at the elementary or secondary level.

ENGLISH MINOR (20 CREDITS)

Required Courses (10 credits)
ENGL 271 Introduction to Poetry (5)
ENGL 350 Shakespeare (5)
Choose one of the following courses (5 credits)
ENGL 340 Survey of British Literature I (5)
ENGL 341 Survey of British Literature II (5)
ENGL 342 Survey of British Literature III (5)
ENGL 343 Survey of American Literature I (5)
ENGL 344 Survey of American Literature II (5)
Elective (5 credits)
Select a minimum of 5 credits of 300- or 400-level English course(s).

Required program credits 15 credits
Elective credits 5 credits
Total credits for above minor 20 credits

TECHNICAL COMMUNICATION MINOR (24–25 CREDITS)

The Technical Communication Minor is a strong addition to any major. The set of communication skills offered will work well in a variety of professional contexts, enabling students from any discipline to communicate effectively and thereby excel in their careers.

Required Courses (20 credits)
TCOM 205 Introduction to Technical Communication (5)
TCOM 305 Usability and Information Design in Technical Communication (5)
TCOM 404 Instructions and Procedures (5)
TCOM 407 Proposal Writing (5)
Elective—one 300- or 400-level English course (4–5 credits)
Select in consultation with technical communication faculty.

Required program credits 20 credits
Elective credits 4–5 credits
Minimum total credits for above minor 24 credits

Course Requirements for Teacher Certification/Add-on Endorsements

ENGLISH/SECONDARY MINOR (40 CREDITS)

(For undergraduates.) This minor satisfies the endorsement for grades 5–12.

ENGLISH/ADD-ON ENDORSEMENT (40 CREDITS)

(For post-baccalaureates who currently possess a Washington State Teaching Certificate.)

Note: minimum grade point average requirements for the English Secondary Minor and the English Add-on Endorsement are consistent with those required by the English Secondary Major.

Choose one of the following (5 credits)
ENGL 270 Introduction to Fiction (5)
ENGL 273 Critical Methodologies (5)
Required Courses (30 credits)
ENGL 271 Introduction to Poetry (5)
ENGL 350 Shakespeare (5)
ENGL 408 The Composition Process (5)
ENGL 459 Grammar for Teachers (5)
ENGL 490 Teaching English In Secondary School (5)
ENGL 493 Teaching Literature to Adolescents (5)
Choose one of the following courses (5 credits)
ENGL 340 Survey of British Literature I (5)
ENGL 341 Survey of British Literature II (5)
ENGL 342 Survey of British Literature III (5)
ENGL 343 Survey of American Literature I (5)
ENGL 344 Survey of American Literature II (5)
Note: ENGL 408, ENGL 459 and ENGL 493 are prerequisites for ENGL 490 and cannot be taken concurrently with it. Minimum grade point for the primary add-on endorsement is 3.0 in ENGL 408, ENGL 459 and ENGL 493. Students are encouraged to select HUMN 210 or HUMN 211 for partial fulfillment of the GECR in Humanities unless they have an AA degree from an approved community college or a completed BA degree.

Total credits for above minor or add-on endorsement 40 credits
**GRADUATE PROGRAMS**

**MASTER OF ARTS IN ENGLISH**

<table>
<thead>
<tr>
<th>Emphasis Coordinators</th>
<th>Literature</th>
</tr>
</thead>
<tbody>
<tr>
<td>Judy Logan</td>
<td>159D Reid 509.359.6035</td>
</tr>
<tr>
<td>Molly Johnson</td>
<td>154F Reid 509.359.6037</td>
</tr>
<tr>
<td>Lavona Reeves</td>
<td>158A Reid 509.359.7060</td>
</tr>
</tbody>
</table>

**Student Learning Outcomes—students will:**

- employ research methods, conduct original research, determine the value of a wide variety of sources (including computer databases and computer-mediated texts);
- write and edit major papers in English;
- engage in reflective practice in conjunction with academic writing and/or teaching.

This degree program prepares students for careers as professionals and post-secondary educators as well as for further study in doctoral programs. Students complete core courses that focus on research, writing, and professional preparation (foundational courses for a certificate in the teaching of writing). In addition, students complete one of the program’s three professional emphases:

- **Literature**
- **Rhetoric and Technical Communication**
- **Teaching English as a Second Language**

The literature emphasis provides students with further exposure to a wide variety of literary works and allows for more in-depth study, analysis, and application of a range of critical perspectives. Students conduct original research, determine the value of a wide spectrum of sources, both print and electronic, and sharpen their writing and editing skills. Students engage intellectually in the complex historical and cultural issues that contribute to a text’s production, and synthesize ideas and critical positions in researched essays and seminar presentations. A thesis and a comprehensive examination are a part of the program, and students may intern in teaching both literature and composition.

The RTC emphasis provides students with theoretical and applied knowledge in academic, professional, and technical discourses. Students explore interrelationships between rhetoric and technical communication within social, technological and cultural contexts to prepare for careers in public and private sectors, as well as for further study in doctoral programs. Students complete courses in rhetoric, research and technical communication. The program curriculum may include studies in the theory and practice of information design, genre, usability and discourse analysis.

The TESL emphasis prepares pre-service and in-service teachers of English as a second language (ESL) or English as a foreign language (EFL) to teach second language literacy, culture, and communication skills. The program is primarily designed to prepare secondary and post-secondary teachers in a variety of settings and can also serve as preparation for doctoral studies. The emphasis includes all course work recommended for ESL teacher preparation by the national professional organization: Teaching English to Speakers of Other Languages (TESOL). Courses can be applied toward the state endorsement in ESL.

**Admission Requirements**

All applicants for a Master of Arts in English must:

- declare one of the three professional emphases as their primary area of study,
- submit an 800–1,000 word expository essay explaining what in their background (formal education, professional experience, personal life, as appropriate) has led them to apply to that particular professional emphasis and what they hope to accomplish by completing an English degree in that area, and
- submit two letters of recommendation.

In addition, applicants for literature and RTC must submit (1) scores for the Graduate Record Exam (GRE) General Test and (2) a sample of their best writing (literature applicants should submit an academic essay; RTC applicants should submit a sample of their strongest professional/technical writing).

In addition, all TESL applicants whose first language is not English must arrange for an interview with the TESL graduate program coordinator, either in person or by telephone.

International applicants must submit a TOEFL score of at least 580 (237 CBT or 92 TOEFL iBT), a PTE Academic score of at least 63 or an IELTS score of at least 7.0. Applicants with a bachelor’s degree from an accredited U.S. university are not required to submit English language scores.

An applicant with a TOEFL score between 550 (213 CBT or 79 TOEFL iBT) and 579 (233 CBT or 91 TOEFL iBT) may be admitted conditionally upon having a program of English language study approved by the TESL graduate program coordinator and the coordinator of the applicant’s declared emphasis (if other than TESL).

Note: Students are admitted into the program based on the emphasis declared. Students who wish to change emphasis after being admitted to the program must submit all required application materials to the coordinator for the new emphasis. Students may only declare a change in emphasis with approval of the new emphasis coordinator.

**Teaching Assistantships (GSAs)**

The program offers a number of teaching assistantships. Our assistantships are highly competitive. Applicants who wish to be considered for teaching assistantships must submit an additional application and letter in which they describe their interest in and prior experience with teaching. (**Note**: GRE or TOEFL (or equivalent) scores are required for all GSA applicants who have not previously completed masters degree. Applications must be submitted by February 15. Teaching assistantships are awarded (for the following academic year) beginning in March and usually ending in May. Incomplete applications will NOT be considered for teaching assistantships.

**Completion Requirements**

Toward the conclusion of the MA degree program, students must write a thesis (ENGL 600) or professional essays in literature or a professional project in RTC (ENGL 601). Literature students must pass a comprehensive examination in their second year of the program (winter term for Literature). Candidates must be registered for at least two 600 or 601 credits in the quarter in which they intend to graduate.

**Language Requirement**

Note: foreign language requirement can be completed concurrently with completion of MA in English graduate course work.

TESL students must demonstrate a competence in a foreign language at a level equivalent to completion of one year of college foreign language.

Note: applicants whose first language is not English and who have demonstrated appropriate competence in English are deemed to have met the language requirement.
Competence in a foreign language may be demonstrated as follows:

- completion of one year of a foreign language or American Sign Language (official transcript required) or a certificate of completion of a program of study in a recognized language institute, college, or university, or a program of study approved by the TESL coordinator;
- passing a standardized test (official scores must be presented to TESL coordinator) or a written or oral test arranged with the Department of Modern Languages at EWU;
- students may also satisfy the foreign language requirement by successfully completing ENGL 530 Old English, with a grade \( \geq 3.0 \).

Program Core

ENGL 511 Composition Pedagogies (5)
ENGL 520 Seminar in Research Methods and Design (5)
ENGL 564 Pedagogical Grammar and Composition (5)
ENGL 568 Technical Communication and ESP: Practice, Theory and Pedagogy (5)
ENGL 573 History of Rhetoric
or ENGL 575 Contemporary Rhetoric (5)
ENGL 695 Internship (5) (must select an internship appropriate to their discipline—consult with program director)

Minimum total credits for above master’s degree 20 credits

CERTIFICATE

Student Learning Outcomes—students will:

- demonstrate careful reading of a text and explicate a text using a range of literary theories and critical methodologies;
- reflectively assess their own ongoing development as writers and teachers.

CERTIFICATE IN THE TEACHING OF LITERATURE AND POST-MASTER’S CERTIFICATE IN THE TEACHING OF LITERATURE (20 CREDITS)

Judy Logan, Program Director
137 Reid 509.359.6035

This program is designed for individuals who already have or are working on Master’s Degrees and have significant experience in education, composition/rhetoric, TESOL or technical writing. Documentation of the graduate degree or program in progress and relevant prior experience is required for admission.

Individuals with Master’s degrees in hand often discover that in order to teach literature at the community college level they need some coursework in literature and experience in the teaching of literature. This is particularly true of those with degrees in Rhetoric and Composition because many schools now use literature to teach composition and most who teach composition at the community college level are also expected to teach introductory literature courses. This certification program addresses the needs of these people.

Prerequisites
Ten quarter or six semester college or university credits in literature and a graduate degree or current graduate-student status in a related program (education, composition/rhetoric, TESOL, or technical writing or literature, if the student has no teaching experience).

Required Certificate Courses
ENGL 598 Seminar in Language and Literature (5)
Two approved 400 or 500 level literature courses or seminars (10)
and ENGL 695B Internship: Teaching Literature (5)

Minimum total credits for above master’s degree 20 credits

Literature
ENGL 530 Old English (5)
ENGL 536, ENGL 537, ENGL 538, or ENGL 539 (20 credits in Graduate Seminar in Literature I–IV courses)
ENGL 600 Thesis
or ENGL 601 Professional Essay (5)

Teaching English as a Second Language
ENGL 560 Applied Linguistics (5)
ENGL 580 Second Language Acquisition (5)
ENGL 581 Second Language Curriculum Design and Assessment (5)
ENGL 582 Modern Language Methodology (5)
Electives (5) (in consultation with and approved by program coordinator)
ENGL 600 Thesis
or ENGL 601 Professional Essay (5)

Rhetoric and Technical Communication
ENGL 503 Information Design (5)
ENGL 504 Instructions and Procedures (5)
ENGL 507 Proposal Writing (5)
ENGL 509 Editing in Technical Communication (5)
ENGL 573 History of Rhetoric
or ENGL 575 Contemporary Rhetorical Theory (5)
(must differ from the rhetoric course taken to complete core requirements)
ENGL 600 Thesis
or ENGL 601 Professional Project (5)

CERTIFICATE IN THE TEACHING OF WRITING AND POST-MASTER’S CERTIFICATE IN THE TEACHING OF WRITING (28 CREDITS)

Justin Young, Program Director
143 Reid 509.359.7062 jayoung@ewu.edu

EWU graduate students in good standing who intend to pursue college teaching careers may complete the Certificate in the Teaching of Writing program while working toward their graduate degrees. The Certificate program provides an education in composition theories and pedagogies, including areas of curriculum development, assessment practices, research design, grammar instruction and teaching and/or tutoring. Credits earned as part of the certificate program may also be counted toward students’ graduate requirements upon approval from their advisor.

Individuals who already have master’s degrees and who have significant experience in education, literature, communications, business or technology may also pursue this program.

Required Certificate Courses
ENGL 511 Composition Pedagogies: Theories and Practices (5)
ENGL 520 Seminar in Research Methods and Design (5)
ENGL 568 Technical Communication and ESP: Practice, Theory and Pedagogy (5)
ENGL 573 History of Rhetoric (5)
or ENGL 575 Contemporary Rhetorical Theories (5)
or an approved substitution
ENGL 560 Applied Linguistics (5)
or ENGL 564 Pedagogical Grammar and Composition (5)
ENGL 695A Internship: Teaching Composition (3–5)
or ENGL 695E Internship: Writers’ Center (3–5)
Any course substitutions must be approved by the current English Composition director before being submitted to the Graduate Studies office.

Minimum total required credits for certificate 28 credits
MASTER OF FINE ARTS IN CREATIVE WRITING

Jonathan Johnson/Greg Spatz, Program Directors
425 ROB 509.359.4955 gspatz@ewu.edu

Student Learning Outcomes—students will:

• develop advanced understanding of the publishing process;
• develop familiarity with advanced formal and technical aspects of foundational literary works from the tradition and selected contemporary works in that genre. This knowledge will be evident both in students’ critical responses and in students’ own creative works;
• demonstrate advanced ability to exercise self-criticism and to offer insightful, supportive and productive criticism to others. Part of this can be construed as students’ development of editorial capacities, but part of it must be the development of a capacity to foster their own and others’ continued artistic development through critical reading.

The Master of Fine Arts Program is an intensive, two-year, pre-professional course of study with an emphasis on the practice of literature as a fine art. The program includes coursework in the study of literature from the vantage point of its composition and history, but the student’s principal work is done in advanced workshops and in the writing of a book-length thesis of publishable quality in fiction, literary nonfiction or poetry. The MFA is a terminal degree program.

Admission Requirements

Applicants must take the Graduate Record Exam (GRE) General Test and submit the following documents with the application form: a writing sample consisting of 10–20 pages of poetry and/or 15–25 pages of prose, an 800-word letter stating the applicant’s reasons for pursuing the MFA and two letters of reference.

Applicants for teaching assistantships must write an additional letter in which they describe their interest in and prior experience with teaching. Applications for Teaching assistantships must be submitted by February 15. Teaching assistantships are awarded in March for the following year. No applicant can be considered for a teaching assistantship until all documentation (completed application, GRE scores, writing sample, letters of recommendation and other written materials) has been received.

Note: in order for the department to receive the GRE scores by mid-February, applicants must take the GRE no later than the previous December.

Completion Requirements

A. Students should spend six quarters in residence.
B. A student should concentrate in one of the following areas:
   Poetry, Fiction, Literary Nonfiction. Students, however, are expected to take coursework in areas other than the one in which they concentrate.
C. In consultation with a thesis advisor, each student will compile a list of fifteen books to augment the reading done in coursework. A portion of the oral examination, held near the end of each student’s term of study, will be devoted to questions about this list and works covered in required form and theory literature courses.
D. Each student must submit a literary thesis of substantial length and publishable quality. The thesis will be reviewed in the oral examination.

Course Requirements and Credit Hours

CRWR 517 Graduate Writing Workshop (20)
This course may be repeated for credit; students should take one workshop from outside the major area.

The three literary form and theory courses in each student’s major area of study

CRWR 583 Fiction I–The Novel (5)
CRWR 584 Fiction II–The Short Form (5)
CRWR 585 Fiction III–Selected Topics in Craft (5)

or

CRWR 586 Literary Nonfiction I–Ancient Roots Through the 19th Century (5)
CRWR 587 Literary Nonfiction II–20th Century and Beyond (5)
CRWR 588 Literary Nonfiction III–Selected Topics (5)

or

CRWR 589 Poetry I–Background and Theory (5)
CRWR 590 Poetry II–The Moderns and Modernism (5)
CRWR 592 Poetry III–Contemporary World Poetry and Poetics (5)

One literature course from outside the major area (5)

CRWR 600 Thesis (10–15)

Further electives in creative writing, literature and/or a secondary emphasis in one of the following areas (17 credits)

1. Literary editing
2. Literary studies
3. Studies in a modern language
4. Studies in another art form: music, dance, etc.
5. Teaching composition
6. Teaching English as a second language
7. Technical and professional writing

Variations are possible following consultation with student’s program advisor.

Minimum total credits for above master’s degree 72 credits
Creative Writing Courses

Terms offered: fall, winter, spring, summer (FWSU).

Terms offered: fall, winter, spring, summer (FWSU).

Creative Writing Courses

**CRWR 210 Introduction to Creative Writing (5)**
Prerequisite: CRWR 210
This course introduces students to the process, techniques and forms of creative writing including poetry, fiction and nonfiction.

**CRWR 311 Form and Theory of Fiction (5)**
Prerequisite: CRWR 210
Style and the techniques of fiction, including a delineation of the development of major technical trends in fiction.

**CRWR 312 Form and Theory of Poetry (5)**
Prerequisite: CRWR 210
An intensive study of the history and current use of prosody and poetics and the application of traditional and innovative theories of contemporary poetry.

**CRWR 313 Form and Theory of Literary Nonfiction (5)**
Prerequisites: CRWR 210
Students will study the nature of literary nonfiction. Contemporary sub-genres to be studied may include nature writing, travel writing, science writing, the memoir, literary journalism and others.

**CRWR 314 Advanced Creative Writing—Poetry (5)**
Prerequisites: CRWR 210 with a minimum grade of 2.0 or permission of instructor.
This course is an intensive study in writing poetry, including the reading of contemporary and modern poetry to further students' study of craft. Extensive poetry and craft reading as well as completing a poetry portfolio is required.

**CRWR 315 Advanced Creative Writing—Short Story (5)**
Prerequisites: CRWR 210 with a minimum grade of 2.0 or permission of instructor.
This course is an intensive study in writing literary short stories, including the readings on craft and contemporary modern fiction. Students will write two-three short stories which will be critiqued by instructor and peers.

**CRWR 414 Literary Editing and Design (5)**
Prerequisites: ENGL 270, 271, CRWR 210
The history of literary magazine publishing in America since 1950. Also typography, layout, graphics and editorial vision. Students will be asked to examine and discuss various influential literary magazines of the past as well as the present and to produce a mock-up of their own literary magazine.

**CRWR 417 Creative Writing Workshop (5)**
Prerequisite: CRWR 210
Workshop in various genres, e.g., fiction, poetry, creative nonfiction, drama, script writing or translation. Different genres and subjects will be indicated in the quarterly course listings and on the student's permanent record.

**CRWR 469 Literature of the Pacific Northwest (5)**
Cross-listed: ENGL 469.
Prerequisite: ENGL 343 or ENGL 344.
This course is a survey of Northwestern literature from 1800 to the present time, including representative exploration journals as well as more recent works by such writers as Richard Hugo, James Welch, Carolyn Kizer and Ursula LeGuin. Addresses questions of geography and regional culture.

**CRWR 491 Creative Writing Senior Thesis (5)**
Prerequisite: CRWR 311 or 312, 2 sections of CRWR 417.
Satisfies: senior capstone University graduation requirement.
A class for senior creative writing majors. Students will revise poetry, fiction and essays from previous creative writing classes, culminating in a final portfolio of polished literary work. A third of the class will be workshops, a third discussion of assigned literary text to supplement the writing of the thesis and a third discussion of career issues (publishing, employment, graduate school).

**CRWR 495 Willow Springs Internship (1–3)**
Prerequisite: CRWR 417; permission of the instructor, department chair and college dean.
Reading and critiquing manuscript submissions to EWU’s nationally recognized literary journal.

**CRWR 498 Seminar in Creative Writing or Literature (5)**
Cross-listed: if topic is literature, this course includes the prerequisite and may be cross-listed with ENGL 498.
Note: may be repeated for credit; the topic covered will be listed on the student’s permanent record.
Prerequisites: grades of 2.0 or better in ENGL 270 and 271 (if topic is literature).
Special topics in creative writing or literature.

**CRWR 499 Directed Study (1–5)**
Prerequisites: permission of the director of the Creative Writing program, instructor, department chair and college dean.
Independent study under faculty direction, adapted to individual needs of the students.

**CRWR 514 Literary Editing and Design (5)**
Prerequisite: graduate standing.
The class will study the history of literary magazine publishing in America since 1950. It will also study typography, layout, graphics and editorial vision. Students will be asked to examine and discuss various influential literary magazines of the past as well as the present and to produce a mock-up of their own literary magazine.

**CRWR 515 Internship Literary Editing and Design (1–5)**
Prerequisite: graduate standing.
A practicum in literary production. The course offers hands-on training in connection with the literary magazine Willow Springs. Individually assigned projects typically include reading and editing submissions, proofreading, copy editing, layout, production and marketing.

**CRWR 517 Graduate Writing Workshop: Fiction, Poetry, Literary Nonfiction, Drama, Scriptwriting, or Translation (5)**
Prerequisite: MEA students; or permission of instructor.
Classroom discussion of student writing, concentrating on editing and revision with a view to attaining publishable quality.

**CRWR 539 Special Topics (1–5)**
A survey of Northwestern literature from 1800 to the present time, including representative exploration journals as well as more recent work by such writers as Hugo, Welch, Kizer, Bass and LeGuin. The course also addresses questions of geography, economics and regional culture as they relate to the literature.

**CRWR 583 Fiction I—The Novel (5)**
Prerequisite: MEA or English MA students or permission of instructor.
Study of the novel from a writer's point of view considering the roots, periods and stylistic approaches to the form. Works to be considered might include texts from antiquity to the present. Through a study of style, structure and historical development, the course will concern itself with the many shapes the novel takes, has taken or might take, while also examining common elements that link examples of the form.

**CRWR 584 Fiction II—The Short Form (5)**
Prerequisite: MEA or English MA students or permission of instructor.
A study of the short story from a writer’s point of view considering the roots, periods and stylistic approaches to the form. Works to be considered might include texts from Chaucer to the present. Through a study of style, structure and historical development, the course will concern itself with the many shapes the short story takes, has taken or might take, while also examining common elements that link examples of the form. An added area of study may be the novella.

**CRWR 585 Fiction III—Selected Topics in Craft (5)**
Prerequisite: MEA or English MA students or permission of instructor.
Selected topics in fiction focusing primarily on elements of craft and technique, such as point of view, voice, setting, character and plot. Attention will be given to how the technical choices a writer makes regarding one or some of these elements serve to shape, limit and inform the fiction being examined. More than one topic may be considered during the course.

**CRWR 586 Literary Nonfiction I—Ancient Roots Through the 19th Century (5)**
Prerequisite: MEA or English MA students or permission of instructor.
Intensive study of the nature and development of nonfiction, beginning with ancient Greek, Roman, Chinese and Japanese writings and the Bible, moving to the nonfiction of Continental writers such as Kempe, Montaigne, Browne, Swift, Johnson, Addison and Steele and Lamb and on to American writers such as Emerson, Thoreau, Twain and Muir. Forms such as oral traditions of indigenous peoples, exploration accounts, slave narratives, captivity narratives, biographies, autobiography, literary journalism, the nonfiction novel may be considered.

**CRWR 587 Literary Nonfiction II—20th Century and Beyond (5)**
Prerequisite: MEA or English MA students or permission of instructor.
Intensive study of the nature and variety of modern and contemporary literary nonfiction, including such established writers as Woolf, Orwell, White, Didion, Mailer, Tom Wolfe, Tobias Wolff, Kingston, Momaday, McPhee, Baldwin, Walker, Kinsaid, Dillard, Eisley, Sanders, Rodriguez and Haines, as well as lesser-known contemporary writers. Forms such as memoir, essay, short nonfiction, literary journalism and the nonfiction novel may be considered, as well as effects of the works on the world.

**CRWR 588 Literary Nonfiction III—Selected Topics (5)**
Prerequisite: MEA or English MA students or permission of instructor.
Advanced, close study of selected topics in creative nonfiction, such as nature writing, travel writing, oral history, memoir, diaries/journals, the personal essay, short nonfiction, radio commentary, literary journalism, biography, nonfiction, literature for social change, creative nonfiction in translation, research methods, ethical questions, cross-cultural writing, political writing, historical writing and science writing. More than one topic will be considered during the course.

ENGLISH continued
English Courses

Terms offered: fall, winter, spring, summer or alternate years (FWSU alt). If no terms are indicated, check with the department or EagleNET.

ENGL 100 Fundamentals of English Composition (5) FWS
Prerequisite: ENGL 100, Writing Placement Test or General Advising.
Satisfies: general education requirement.
This course covers the history of British Literature from the Anglo-Saxon period to Milton, focusing on works of representative authors and examining changes in literary forms and conceptions of culture and society.

ENGL 101 College Composition: Exposition and Argumentation (5) FWS
Prerequisite: ENGL 100, Writing Placement Test or General Advising.
Satisfies: university competence, writing.
A demanding course that will develop writing fluency in expository and argumentative modes. The course stresses the organization, development and support of ideas and the ability to develop and sustain a clear, correct sentence structure.

ENGL 106 Writing for Academic Purposes (5) FWS
Cross-listed: IN 111.
Prerequisite: ENGL 101 or ENGL 271.
Satisfies: international studies university requirement.
This course covers the history of British literature beginning with the Restoration and ending with the Romanticism, focusing on works of representative authors and examining changes in literary forms, including the beginnings of narrative form, as well as conceptions of culture and society.

ENGL 111 Writing for Academic Purposes (5) FWS
Cross-listed: ELIN 111.
Prerequisite: ENGL 101.
Satisfies: ENGL 101, English majors must have grades ≥ 2.5; nonmajors must have grades ≥ 2.5; nonmajors must have permission of the instructor, department chair and college dean.
This course covers the history of British literature from the Anglo-Saxon period to Milton, focusing on works of representative authors and examining changes in literary forms and conceptions of culture and society.

ENGL 170 Introduction to Literature (5) FWS
Prerequisite: ENGL 111.
Satisfies: general education requirement.
This course covers the history of British literature beginning with the Restoration and ending with the Romanticism, focusing on works of representative authors and examining changes in literary forms, including the beginnings of narrative form, as well as conceptions of culture and society.

ENGL 201 College Composition: Analysis, Research and Documentation (5) FWSU
Prerequisite: ENGL 101, Writing Placement Test or general advising.
Satisfies: English MA students or permission of instructor.
This course covers the history of British literature beginning with the Restoration and ending with the present, focusing on works of representative authors and examining changes in literary forms, including the novel, as well as conceptions of culture and society.

ENGL 270 Introduction to Fiction (5) FWS
Prerequisite: ENGL 101; ENGL 201 recommended.
The basic elements of fiction. Through class discussions and writing assignments, students analyze, interpret and evaluate individual short stories and a novella which are broadly representative of a variety of historical periods and narrative genres.

ENGL 271 Introduction to Poetry (5) FWS
Prerequisite: ENGL 101; ENGL 201 recommended.
The basic elements of poetry. Presentation similar to ENGL 270.

ENGL 273 Critical Methodologies (5)
Prerequisite: ENGL 201.
This course is an introduction to the major ideas and questions in literary theory and criticism, from Plato to the present.

ENGL 299 Individual Study (1–5)
Prerequisites: permission of the instructor, department chair and college dean.
Special studies in English or composition. Such studies will vary according to faculty and student interest.

ENGL 309 Grammar for Professionals (5)
Cross-listed: JRN 309, TCOM 309.
Prerequisite: ENGL 201.
Many professionals continue to struggle with grammar and usage rules throughout their careers. This course, students will refresh and improve their knowledge of English grammar, style and usage rules. They will develop confidence in using correct punctuation, capitalization and verb forms, and learn how to create and employ different types of sentence structures, becoming proficient at writing clear, correct sentences to communicate effectively with a variety of audiences.

ENGL 315 Topics in Literature and Culture (5)
Prerequisite: may be repeated for credit if taken with a different topic.
A thematically organized course dealing with literary and cultural topics as they are reflected in literature. Some recent topics are the following: The American Dream in Literature; The Image of Women in American Pioneer Literature; and The Colonial Experience in Literature.

ENGL 323 A Global View through Children's Literature (5)
Cross-listed: EDUC 323.
Satisfies: international studies university requirement.
This course covers the history of British literature beginning with the Restoration and ending with the Romanticism, focusing on works of representative authors and examining changes in literary forms and conceptions of culture and society.

ENGL 342 Survey of British Literature II (5)
Prerequisites: ENGL 201 and ENGL 271. English majors must have grades ≥ 2.5; nonmajors must have permission of the instructor.
This course covers the history of British literature beginning with the Restoration and ending with the present, focusing on works of representative authors and examining changes in literary forms, including the novel, as well as conceptions of culture and society.

ENGL 343 Survey of American Literature I (5)
Prerequisites: ENGL 201 and ENGL 271. English majors must have grades ≥ 2.5; nonmajors must have permission of the instructor.
This course covers the history of American literature from the origin narratives to Transcendentalism, focusing on works of representative authors and examining changes in literary forms, including the short story and in conceptions of American culture and society.
ENGL 344 Survey of American Literature II (5)
Prerequisites: ENGL 270 and ENGL 271. English majors must have grades ≥2.5; non-majors must have permission of the instructor.

This course provides a history of American literature from the Civil War to the present, focusing on works of representative authors and examining changes in literary forms including the short story and in conceptions of American culture and society.

ENGL 350 Shakespeare (5) FWS
Prerequisites: English majors must have grades ≥2.5 in ENGL 201 and 271; non-majors must have permission of the instructor.

The course involves reading and interpreting the principal comedies, histories, tragedies and sonnets of Shakespeare.

ENGL 360 Language Structure and Use (5) FWS
Prerequisite: ENGL 201.

The nature and function of language; approaches, concepts, component areas of linguistics.

ENGL 380 Survey of Native American Literatures (5) S
Cross-listed: IDST 380
Prerequisite: ENGL 201 or permission of instructor.
Satisfies: cultural and gender diversity university graduation requirement.

Designed to introduce students to specific examples of narrative, ceremonial, ritualistic, religious and secular literatures from the oral traditions of Indian Nations in North America and South America. Also introduces students to contemporary genres (i.e., poetry, the short story, the novel and drama) as they emerge from the oral traditions, with the specific purpose of articulating the continuity as reflected in literary forms.

ENGL 381 Contemporary African American Literature (5)
Cross-listed: AAST 381
Prerequisite: ENGL 201.

Major African American literature of the 20th century: fiction, poetry, essay, autobiography and drama.

ENGL 382 Studies in Epic Fantasy (5)
Prerequisite: ENGL 201.

Selected works by Tolkien, Lewis, Eddison, Carter, Cabell and others, with emphasis on the function of fantasy in literature, narrative about contemporary society, and the human imagination. Texts selected vary according to student interest.

ENGL 384 Folklore (5)
Prerequisite: ENGL 201.

Surveys the nature of folklore in its theories and practices, with special attention to the function of the folk imagination. Topics include the oral tradition possessed by every group, widespread folk practices and beliefs and the methods of their collection and study.

ENGL 385 Mythology (5) F
Prerequisite: ENGL 201.

A survey of classical Greek myths, with special attention to the stories used in literature and an introduction to comparative mythology.

ENGL 387 Literature of the Bible (5) WU
Prerequisite: ENGL 201.

Studies the literature of the Bible, both Old and New Testaments, in its historical, cultural and linguistic settings through selected readings.

ENGL 389 Women, Literature and Social Change (5) S
Cross-listed: WMST 389
Prerequisite: ENGL 201.
Satisfies: cultural and gender diversity university graduation requirement.

Examines fictional images of women as these images reflect the changing roles and status of women from Greece to present, focusing on the 19th and 20th centuries.

ENGL 395 Field Work (1–10)
Prerequisites: permission of the instructor, department chair and college dean.

ENGL 400 Women and Men in Literature (1)
Cross-listed: WMST 400

This course teaches the integration of women authors, the ideas of men writing about women and ideas interesting to women in the study of literature. Course will involve textbook selections and a comparative treatment of women and men in a literature survey course. The course will provide a feminist approach and review the literature on gender balance.

ENGL 408 The Composition Process (5) FWU
Prerequisites: ENGL 201.

Study and analysis of the cognitive steps taken and of the general process usually followed when a person writes clearly and effectively. Designed especially for those who are interested in the teaching of composition.

ENGL 421 Special Topics in Children's Literature (4)
Prerequisites: English majors must have grades ≥2.5 in ENGL 201, 270 and 271; non-majors must have permission of the instructor.

EagleNET will indicate specific topic to be considered. Course includes picture books, fantasy literature, myths and folk tales, minority groups and new trends in children's literature.

ENGL 436 Seminar in Literature I: Major Authors (5) F
Prerequisites: three of the five survey courses; two of ENGL 340–341–342 and one of either ENGL 343–344.

This seminar course, through extensive reading and writing as well as student presentations, focuses on the work of major authors from either British, American, Commonwealth or World literature. It considers their biography and the scope, influence and development of their achievement, as well as the stature of their principal works. The choice of authors will vary with the instructor.

ENGL 437 Seminar in Literature II: Studies in Genre (5) S
Prerequisites: three of the five survey courses; two of ENGL 340–341–342 and one of either ENGL 343–344.

This seminar course, through extensive reading and writing as well as student presentations, focuses on a genre or genres in British, American, Commonwealth and/or World literature. Genres studied may include, but are not limited to, nonfiction, prose, poetry, film, drama and electronic media. The choice of genres will vary with the instructor.

ENGL 438 Seminar in Literature III: Literary Eras (5)
Prerequisites: three of the five survey courses; two of ENGL 340–341–342 and one of either ENGL 343–344.

This seminar course, through extensive reading and writing as well as student presentations, focuses on a specific era in literary history. The selection of literary era will vary with the instructor.

ENGL 439 Seminar in Literature IV: Special Topics (5) W
Prerequisites: three of the five survey courses; two of ENGL 340–341–342 and one of either ENGL 343–344.

This seminar course, through extensive reading and writing as well as student presentations, focuses on a thematic issue in either British, American, Commonwealth, or World literature. These courses will explore the continuity of ideas across literary periods and cultures. The choice of topics will vary with the instructor.

ENGL 450 Special Topics in Shakespeare (5)
Note: may be repeated—the particular subject matter is determined by the added wording in the title—and can be substituted for ENGL 436.
Prerequisites: ENGL 340 and ENGL 350.

This seminar course draws upon special topics such as dark and light comedy, the tragic heroes, Shakespeare history, etc., at the choice of the instructor.

ENGL 452 Chaucer (5)
Prerequisite: ENGL 340.

This course involves reading and interpretation of the chief poetry of Geoffrey Chaucer. This course can be substituted for ENGL 436.

ENGL 459 Grammar for Teachers (5) FWS
Prerequisite: ENGL 201.

Major features of English grammar. Course covers word formation; part of speech identification; and the analysis of phrases, clauses and sentences.

ENGL 460 Modern Grammar (5) S
Prerequisites: ENGL 201 and ENGL 459.

Analysis of major syntactic rules of English from the standpoint of transformational grammar.

ENGL 461 Survey of Psycholinguistics (3)
Prerequisite: ENGL 360.

A survey of psycholinguistic process: language comprehension, production and acquisition.

ENGL 464 Grammar and Composition (5)
Prerequisite: ENGL 459 or equivalent knowledge of traditional grammar.

Analysis of basic writing problems (grammatical and punctuation errors and syntactic immaturity) in the writing of secondary students and the development of remediation materials and strategies.

ENGL 468 History of the English Language (5) F
Prerequisites: ENGL 201; ENGL 360 is recommended.

Origins and development of the English language from prehistoric times to the present.

ENGL 469 Literature of the Pacific Northwest (5)
Cross-listed: CRWR 469.

Note: this course can be substituted for ENGL 439.
Prerequisite: ENGL 343 or ENGL 344.

This course is a survey of Northwestern literature from 1800 to the present time, including representative exploration journals as well as more recent works by such writers as Richard Hugo, James Welch, Carolyn Kizer and Ursula LeGuin. Addresses questions of geography and regional culture.

ENGL 489 LGBT Writers: Their Lives and Their Works (5)
Cross-listed: WMST 489
Prerequisites: ENGL 270 or HUMN 101 or WMST 101 or HUMN 310 or WMST 310 or HUMN 410 or WMST 410.

This course examines the lives and works of Lesbian, Gay, Bisexual and Transgendered (LGBT) writers as well as the historical and social contexts of their writing. Genres may include LGBT fiction, nonfiction, autobiography, letters, diaries, film, critical accounts of authors’ work, social networks and other artifacts. The readings focus on the lived experiences of the writers and their characters while (1) identifying "relevant gaps" within the traditional literary canon, (2) questioning "existing modes;" (3) examining "connections among societal structures such as gender, race, class, age, and sexuality that contribute to (or) oppression;" and (4) connecting theory to practice.

ENGL 490 Department Senior Capstone (5)
Teaching English in Secondary School or Literature at the Crossroads: Literary Studies in the New Millennium
Satisfies: senior capstone university graduation requirement.

See your major department advisor for the appropriate section number.
ENGL 493 Teaching Literature to Adolescents (5)
Prerequisites: English majors must have grades ≥2.5 in ENGL 201, ENGL 270 and ENGL 271 or ENGL 273; non-majors must have permission of the instructor.

The course involves the study and analysis of adolescent literature and of methods for teaching literature to various grade levels. It is designed primarily for those who will be teaching and dealing with adolescent responses to literature.

ENGL 495 Professional Internship (5–15) FWSU
Note: may be repeated.
Prerequisites: permission of the instructor, department chair and college dean.

A minimum of 20 hours work per week as a student-intern in a cooperating business, industry or agency. Students may earn from 5–15 credits.

ENGL 496 Tutoring Internship (1–3) FWSU
Note: graded Pass/Fail.

ENGL 497 Workshops, Short Courses, Conferences (1–5)

ENGL 498 Seminar (1–5)
Prerequisite: three of the five English survey courses; two of ENGL 340–341–342 and one of either ENGL 343–344.

ENGL 499 Directed Study (1–5)
Prerequisite: permission of the instructor, department chair and college dean.

Independent study under faculty direction, adapted to individual needs of the students.

ENGL 503 Information Design (5) F Alt.
Prerequisite: graduate standing or permission of instructor.

A study of the convergence of the visual and the verbal in professional communication, examining the variable expressive power of text and graphic both individually and in conjunction. Particular attention will be paid to the crafting of information for the World Wide Web. Students will study theories of information design and then apply them in individual and collaborative projects.

ENGL 504 Instructions and Procedures (5) S
Prerequisite: graduate standing.

As part of this course, students complete all the course work for TCOM 404. In TCOM 404, students will learn the art and practice of how to write, design, and deliver instructions and procedures. In addition to the TCOM 404 requirements, graduate students completing ENGL 504 will study theoretical concepts related to writing instructions and procedures. Concepts may include interaction, designing user experience, the role of new media, and the relationship of technology and society.

ENGL 507 Proposal Writing (5)
Investigation of funding sources, use of government documents for research and evaluation of submitted proposals are among the areas covered. Emphasis is on clear, concise writing of individualized student projects.

ENGL 509 Editing in Technical Communication (5) F
Prerequisite: ENGL 459

This course develops the principles and practices of technical editing. Students will learn how to copyright and proofread a variety of technical and professional documents, using standard symbols and conventions. Students will also learn to use style sheets to track emendations, and they will gain an understanding of the responsibilities of an editor to make texts effective and usable. The course is taught in conjunction with TCOM 409, and graduate students are expected to complete additional work beyond that required for the undergraduate course.

ENGL 511 Composition Pedagogies: Theories and Practices (5)

In this course emphasis is placed on the students’ own reading and writing processes as they summarize, analyze and synthesize composition theories and practices. First-year alternate teaching assistants are required to enroll in the course winter quarter.

ENGL 520 Seminar in Research Methods and Design (5)
This course examines a range of research methods needed to write a thesis or research project. Students will learn how to design and conduct research related to their discipline. The course includes an introduction to creating literature reviews, conducting peer reviews and citing references. Students will also learn how to evaluate sources, using databases to access print and online journals. Disciplinary focus of seminar will vary. Students must select a seminar appropriate to their emphasis.

ENGL 530 Old English (5) FAlt.
Prerequisite: permission of the instructor.


ENGL 536 Graduate Seminar in Literature I: Major Literary Figures (5)
Prerequisite: graduate standing.

This graduate seminar will focus on the work of major figures from British, American, or world literature, considering their biography, the scope and development of their achievement and the stature of their principal works. May be taken more than once; subject matter described by the added wording in the title.

ENGL 537 Graduate Seminar in Literature II: Genre Studies (5)
Note: may be repeated.
Prerequisite: graduate standing.

This graduate seminar, through extensive reading and writing as well as student presentations, focuses on a genre or genres in British, American, and/ or World literature. Genres studied may include, but are not limited to, nonfiction, prose, poetry, film, drama and electronic media. The choice of genres will vary with the instructor.

ENGL 538 Graduate Seminar in Literature III: Literary Eras (5)
Note: may be repeated.
Prerequisite: graduate standing.

This graduate seminar, through extensive reading and writing as well as student presentations, focuses on a specific literary era in literary history. The selection of literary era will vary with the instructor.

ENGL 539 Graduate Seminar in Literature IV: Special Topics (5)
Note: may be repeated.
Prerequisite: graduate standing.

This graduate seminar is, through extensive reading and writing as well as student presentations, focused on a thematic issue in British, American, or World literature. The course will explore the continuity of literary period and cultures. The choice of topics will vary with the instructor.

ENGL 555 Contemporary Composition Theory (5)
Prerequisite: ENGL 511 or ENGL 408.

This course will provide students with the historical frameworks for understanding composition theory, acquaint them with major theories and theorists and enable them to draw from contemporary theory for scholarship and pedagogy.

ENGL 560 Applied Linguistics (5)
Note: Students do not need to take ENGL 560 or ENGL 459, but such courses provide a good beginning point for ENGL 560 and are recommended. It is also recommended that students take ENGL 560 prior to registering for ENGL 580.

Foundational linguistics needed for those teaching or planning to teach English as a second language in the U.S. and abroad. Content includes basic syntax, phonology, semantics, morphology and pragmatics. Through contrastive analysis, students will demonstrate an understanding of how to apply linguistic theory to create materials and develop approaches to teach sentence structure, pronunciation, word meanings, word parts and speech acts.

ENGL 564 Pedagogical Grammar and Composition (5)
This course includes analysis of grammar, structure and usage of American English and varieties of World Englishes with a focus on error recognition, analysis and correction within the context of learners’ writing. This is a writing-intensive course for English teachers who must demonstrate mastery of written English, edit their own writing and develop teaching materials at levels and settings. Issues of writers’ voice, heritage, region, first language, dialect and identity are addressed.

ENGL 568 Technical Communication and ESP: Practice, Theory and Pedagogy (5)
Prerequisite: graduate standing.

This course introduces students to major theories and practices influencing the teaching of technical communication and ESP (English for Specific Purposes) Students review components of standard curriculum, conduct need analysis for developing curriculum, and research genres and practices of professional communication to develop course materials. In addition, students practice problem-based learning and pedagogy.

ENGL 571 Modern Criticism (5)
Prerequisite: graduate standing.

A study of major approaches in 20th century literary criticism with emphasis on developments since the 1950s. Previous work in literary criticism will be assumed.

ENGL 573 History of Rhetoric (5) W even
A survey of major rhetorical traditions from classical times to the present and delivery of emphasis will be placed on the decline of invention in classical rhetoric and the rise of new rhetorical systems in the 18th and 20th centuries.

ENGL 575 Contemporary Rhetorical Theory (5)
In-depth survey of contemporary rhetorical theories—e.g., developmental rhetoric, process rhetoric, new romantic rhetoric, conceptual rhetoric, neo-classical rhetoric.

ENGL 580 Second Language Acquisition (5)
Note: completion of ENGL 560 is recommended.
Prerequisite: graduate standing.

This course includes the study of theories of language acquisition and development of reading, writing, speaking and listening in a foreign/second language. First language acquisition will also be discussed briefly.

ENGL 581 Second Language Curriculum Design and Assessment (5)
Prerequisite: this is a research-based course, which has no official prerequisite, though some ESL background is highly recommended.

A course directed at prospective ESL teachers and curriculum designers which presents and reviews various current forms of curriculum at all levels (K–13) with an emphasis on either secondary and post-secondary, both collegiate and non-collegiate settings.

ENGL 582 Modern Language Methodology (5)
Examinps current theories, methods and research in teaching English and other languages as foreign or second languages. Students may do research in languages other than English. Some foreign language experience would be very helpful, though not necessary.
ENGL 595 Practicum in the Public Schools (1–5)
Prerequisite: permission of the instructor, department chair and college dean.
The development, reinforcement, integration and application of knowledge gained in previous and concurrent graduate courses. This course is intended for students employed as teachers in the elementary or secondary classroom.

ENGL 596 Experimental Course (1–5)
ENGL 597 Workshops (1–5)
Note: only one workshop course for up to 3 credits may be used to fulfill graduate degree requirements.

ENGL 598 Seminar in Language and Literature (5)
Cross-listed: may be cross-listed CRWR 598.
This course deals with specialized aspects of language and literature. A student may take the seminar several times. The exact content of the course will be indicated in the title to be entered on his or her permanent record.

ENGL 599 Independent Study (1–5)
Prerequisite: permission of the instructor, department chair and college dean.

ENGL 600 Thesis (1–12)
Prerequisite: Master of Arts in English candidacy; permission of the instructor, department chair and college dean.
Independent research study under the direction of a graduate advisory committee.

ENGL 601 Professional Essay (1–12)
Prerequisite: permission of the instructor, department chair and college dean.
A formally considered summation and emphasis drawn from the principal coursework and professional context of the candidate’s program.

ENGL 694 Practicum: Teaching First-Year Composition (2)
Prerequisite: current English teaching assistantship or alternate English teaching assistantship or permission of the instructor.
Training in the strategies and practices of teaching first-year composition. Emphasis is on developing curricular and assessment materials for use in teaching ENGL 101 at Eastern Washington University. First-year teaching assistants are required to enroll in the course fall quarter.

ENGL 695A Internship: Teaching Composition (1–5)
Prerequisite: permission of the English Composition Program director, department chair, and college dean.
An internship or externship in the teaching of pre-college, college or university composition. The mentor for the internship or externship must be a lecturer or professor who is the instructor-of-record for a literature course. A graduate-student teaching assistant cannot mentor another student’s internship or externship. The student and the instructor will work together to determine the location of and the number of credits for the internship or externship.

ENGL 695B Internship: Teaching Literature (1–5)
Prerequisite: permission of the instructor, department and college dean.
An internship or externship in the teaching literature. The mentor for the internship or externship must be a lecturer or professor who is the instructor-of-record for a literature course. A graduate-student teaching assistant cannot mentor another student’s internship or externship. The student and the instructor will work together to determine the location of and the number of credits for the internship or externship.

ENGL 695C Internship: Teaching English as a Second Language (1–5)
Prerequisite: permission of the instructor, department chair and college dean.
An internship or externship in the teaching English as a Second Language. The mentor for the internship or externship must be a lecturer or professor who is the instructor-of-record for a teaching English as a Second Language course. A graduate-student teaching assistant cannot mentor another student’s internship or externship. The student and the instructor will work together to determine the location of and the number of credits for the internship or externship.

ENGL 695D Internship: Professional Writing (1–10)
Prerequisite: permission of the instructor, department chair and college dean.
Intended for graduate students assigned to writing projects in business, government or industry; may be as a campus resident or on location.

ENGL 695E Internship: Writers’ Center (1–5)
Note: Limited spots available quarterly. Visit to center prior to registration is recommended.
Prerequisite: interview with the director, permission of the Writers’ Center director, the English Department chair and the college dean.
Allows interns to assimilate into the workplace of the Writers’ Center. Students will establish a regular working schedule and be initiated into current center practice.

ENGL 697 Practicum: Teaching Advanced Composition (2)
Prerequisite: current English teaching assistantship or alternate English teaching assistantship or permission of the instructor.
Training in the strategies and practices of teaching advanced composition. Emphasis is on developing curricular and assessment materials for use in teaching ENGL 201 at Eastern Washington University. First-year teaching assistants and first-year alternate teaching assistants are required to enroll in the course winter quarter.

ENGL 698 Practicum: Job Market (2)
Prerequisite: current English teaching assistantship or alternate English teaching assistantship or permission of the instructor.
A professional development course in the field of Rhetoric and Composition. Prepares current and future teachers of composition for the two- year and four-year market. Emphasis is on developing curriculum vitae, application letters, teaching philosophies and teaching demonstration materials. First-year teaching assistants and alternate teaching assistants are required to enroll in the course spring quarter.

Technical Communication Courses

Terms offered: fall, winter, spring, summer (FWSU).
If no terms are indicated, check with the department or EagleNET.

TCOM 205 Introduction to Technical Communication (5) FWS
Prerequisite: ENGL 201.
In this introduction to technical communication, students will learn the basic principles of effectively structuring information for a variety of purposes and audiences, using an applicable document type. Students will solve various communication problems individually and they will be required to work in teams to complete a research or service learning project.

TCOM 207 Computer Literacy (1–5)
Prerequisite: TCOM 205.
An introduction to the computer as a tool for technical communication. Emphasis is on the use of word processing software, electronic mail, and word processing utilities for technical communication. Other electronic communication tools and file management systems will be covered as time permits.

TCOM 208 Electronic Editing (1–5)
Prerequisite: TCOM 205.
In this course, students will learn the basic principles of effectively structuring information for a variety of purposes and audiences, using an applicable document type. Students will solve various communication problems individually and they will be required to work in teams to complete a research or service learning project.

TCOM 209 Basic Technical Writing (1–5)
Prerequisite: TCOM 205.
In this course, students will learn the basic principles of effectively structuring information for a variety of purposes and audiences, using an applicable document type. Students will solve various communication problems individually and they will be required to work in teams to complete a research or service learning project.

TCOM 305 Usability and Information Design in Technical Communication (5) W
Prerequisite: TCOM 300.
In this course, students learn about the principles of document design as applied in the field of technical communication. As part of the course, students learn about usability testing and conduct tests to measure the effectiveness of a document. Students work individually and in teams to complete a variety of projects, including a service learning or client-based project.

TCOM 309 Grammar for Professionals (5)
Cross-listed: ENGL 309, JRNM 309.
Prerequisite: ENGL 201.
Many professionals continue to struggle with grammar and usage rules throughout their careers. In this course, students will refresh and improve their knowledge of English grammar, style and usage rules. They will develop confidence in using correct punctuation, capitalization and verb forms, and learn how to create and employ different types of sentence structures, becoming proficient at writing clear, correct sentences to communicate effectively with a variety of audiences.

TCOM 404 Research Methods (5) S
Prerequisite: TCOM 205.
In our technologically rich world, instructions and procedures pervade our professional lives. In this course, students will learn the art and practice of how to write, design, test and deliver instructions and procedures. Skills learned in this course are highly desired in a variety of settings including government, industry, corporate and non-profit agencies.

TCOM 407 Proposal Writing (5) W
Prerequisite: ENGL 201.
Investigation of funding sources, use of government documents for research and evaluation of submitted proposals are among areas covered. Emphasis is on clear, concise writing of individualized projects.

TCOM 409 Editing in Technical Communication (5) F
Prerequisite: TCOM 309.
This course develops the principles and practices of technical editing. Students will learn how to copy, edit and proofread a variety of technical and professional documents, using standard symbols and conventions. Students will also learn to use style sheets to track emendations and they will gain an understanding of the responsibilities of an editor to make texts effective and usable.

TCOM 490 Senior Capstone: Issues in Technical Communication (5)
Satisfies: senior capstone university graduation requirement.
See your major department advisor for the appropriate section number.

TCOM 495 Technical Communication Internship (1–5)
Note: may be repeated.
Prerequisites: TCOM 404, TCOM 407 and TCOM 409; permission of the instructor, department chair and college dean.
A minimum of 20 hours work per week as a student-intern in technical communication for a cooperating business, industry or agency. Students may earn from 5–15 credits.
The English Language Institute is a program focused on helping students improve English language skills in order to participate in academic programs. The curriculum is for non-native speakers of English. After receiving recommendation from the ELI faculty, admissible students can matriculate directly into undergraduate studies at EWU. With the ELI faculty recommendation, students may also enter the Graduate Preparation Program or MBA Preparation Program as a step into graduate studies.

The ELI is fully accredited by the Commission on English Language Program Accreditation (CEA) and agrees to uphold the CEA Standards for English Language Programs. The ELI is also a member of UCIEP, a consortium of University and College Intensive English Programs in the USA, AAIEP, American Association of Intensive English Programs and NASFA, National Association of International Educators.

### English Language Institute Courses

**Terms offered:** fall, winter, spring, summer (FWSU).
If no terms are indicated, check with the department or EagleNET.

**ELIC (classes for credit/)**
**ELIN (classes for non-credit)**

**ELIC 111**  
Writing for Academic Purposes (5) FWSU  
Cross-listed: ENGL 311  
An integrated skills course to develop writing and grammar fluency in a variety of writing modalities through reading, writing and discussion to prepare students for the multifaceted demands of academic writing.

**ELIC 113**  
Reading for Academic Purposes (5) FWSU  
An integrated skills course that uses essay and narrative at a university level to develop advanced skills in reading, writing, critical thinking and discussion.

**ELIC 114**  
University Seminar (5) FWSU  
An integrated second language skills course focusing on listening and note taking that prepares students to discuss issues in seminar. Emphasis is given to analyzing, synthesizing and evaluating university level content from lectures and general education core class (GECR) observation.

**ELIC 116**  
Research Paper (3) FWSU  
A graduated course designed to familiarize students with the process of writing a research paper, synthesis of multiple sources, critical thinking, avoiding plagiarism and use of library and Internet resources.
Gina Mikel Petrie, Program Coordinator 133H Patterson Hall 509.359.6124

MINOR

Faculty: G. Petrie.

UNDERGRADUATE PROGRAM

The Teaching of English as a Second Language program (TESL) is offered as a minor in cooperation with the Department of English and Anthropology. This program works closely with Spokane area English language programs through academic service learning to provide opportunities to put theory into practice in purposeful ways. Completion of either ANTH 445 or ENGL 360 before taking ESLG 480 or permission of the instructor is a prerequisite. The minor in English as a Second Language is designed for teacher preparation for employment in the U.S. (English as a Second Language) and overseas (English as a Foreign Language). Students are prepared through the examination of fundamentals of linguistics, second language acquisition and culture. An understanding of methods and assessment is built upon this theoretical basis. A practicum experience enables students to put theory into practice. This program is designed as a sequence through an academic year but can be taken over multiple years.

Required courses in the following program of study may have prerequisites. Reference the course description section for clarification.

## English as a Second Language Courses

**Terms offered:** Fall, Winter, Spring, summer (FWSU).

If no terms are indicated, check with the department or EagleNET.

### ESLG 480 Second Language Acquisition Theory and Instruction (4) F

**Prerequisites:** ANTH 445 or ENGL 360 or permission of instructor.

This course briefly reviews the various linguistic systems and their importance in language learning. Acquisition theories are introduced. The developmental process of interlanguage and the factors that impact effective language learning are covered. This course includes practical understanding of how SLA theories relate to instructional choices.

### ESLG 481 Methods and Materials in Teaching English as a Second or Foreign Language (4) W

**Prerequisite:** ESLG 480 or permission of instructor.

This course provides an overview of the current major concepts shaping the choice of language teaching methods. This course covers the following elements: teaching language within content areas such as math, science and social studies; developing individual language skills as well as integrating them; and, choosing, developing and using materials effectively to support the language learning process.

### ESLG 484 Supporting Second Language Literacy Learning (3) W

**Prerequisite:** ESLG 480 or permission of instructor.

This course provides an understanding of effective curriculum and strategies for assisting language learners to develop oral and print literacy. Emphasis is given to matching instructional choices to populations and particular students.

### ESLG 486 English as a Second Language Practicum (3) S

**Prerequisite:** ESLG 480 and ESLG 481.

Readings and discussions support the continued development of effective strategies for working with language learners. Students observe and carry out instruction in a field placement with English language learners.

### ESLG 488 Second Language Print Literacy Theories (3) S

**Prerequisite:** ESLG 480 and ESLG 481.

This course examines current and seminal readings and discussions that provides insight into the factors affecting the development of literacy by second language learners. Topics covered include prior literacy backgrounds, home-school connections, orthographies and vocabulary development.

### ESLG 489 Cultural and Linguistic Diversity in the Classroom (4) F

**Prerequisite:** ESLG 480 and ESLG 481.

This course provides an introduction to the various cultural and linguistic backgrounds in the region. It covers the impact of background cultures on the interactions that occur and expectations that exist in school environments. It also provides an understanding of the role of culture in developing theories about what it means ‘to read’.

### ESLG 493 K-12 English Language Literacy Assessment and Placement (3) S

**Prerequisite:** ESLG 480 and ESLG 481.

This course provides exposure to placement practices and issues for English language learners including the standardized tests used to assess them. It includes a focus on quality classroom assessment with an emphasis on authentic assessment.

### ESLG 494 Adult English Language Literacy Assessment and Placement (3) S

**Prerequisite:** ESLG 480 and ESLG 481.

This course provides exposure to and evaluation of the standardized tests used to assess adult language learners’ proficiency. In addition, focus is given to the range of testing choices teachers have for classroom assessment of skills. Students will develop several classroom language tests.
When we tug on a single thing in nature we find it attached to everything else.
John Muir (1883–1914)
### UNDERGRADUATE PROGRAM

**Required courses in the following program of study may have prerequisites. Refer to the course description section for clarification.**

**BACHELOR OF SCIENCE (BS)**

**Student Learning Outcomes—students will:**

- develop an integrated knowledge of major concepts in the area of environmental science and an understanding of fundamental roles that biology, chemistry, and geology play in environmental science;
- demonstrate knowledge of the interrelationships among the physical and biological components of ecosystems;
- use epistemologically sound quantitative techniques for the analysis of biotic and abiotic samples and systems;
- demonstrate effective oral, graphical, and written communication abilities, and critical thinking skills as related to the environmental sciences;
- develop sufficient preparation in the environmental sciences to successfully compete in a graduate or professional program, or to realize employment in an environmental sciences-related career.

**ENVIRONMENTAL SCIENCE MAJOR (111–120 CREDITS)**

Environmental Science is an interdisciplinary field that combines physical, chemical and biological sciences with social, political and economic understanding needed to study the environment and address environmental problems. The Environmental Science program integrates classroom work in biology, chemistry, geology and social sciences (economics and planning) with extensive field, lab and research experience. All students take a core of Environmental Science courses complemented by a concentration in one of the three core sciences (biology, chemistry, and geology). Motivated students have the opportunity to obtain a double major in both Environmental Science and their concentration area. Graduates leave Eastern with the necessary professional and technical skills for employment in the environmental profession or entry into graduate or professional school.

**Major Requirements for Environmental Science**

All Environmental Science students must take a junior year (ENVS 300) and a final senior year environmental seminar (ENVS 400). After declaring environmental science as a major each student should meet with an advisor as soon as possible. Students should start the program with the necessary mathematics background to enter into the calculus or statistics sequence (i.e. MATH 141 or equivalent). It is recommended that students take ENVS 100, BIOL 171–173, CHEM 151–153 and GEO 120 and GEO 121 within the first two years. Students must maintain an overall GPA ≥2.50 to remain in the program.

**Environmental Science Required Courses (81–84 credits)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Notes</th>
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<tbody>
<tr>
<td>BIOL 171 Biology I</td>
<td>5</td>
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<tr>
<td>BIOL 172 Biology II</td>
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<td>BIOL 173 Biology III</td>
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<tr>
<td>BIOL 270 Biological Investigation</td>
<td>3</td>
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<tr>
<td>BIOL 440 Ecology</td>
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<tr>
<td>CHEM 151 General Chemistry</td>
<td>5</td>
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<td>CHEM 152 General Chemistry</td>
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<tr>
<td>CHEM 153 General Chemistry</td>
<td>5</td>
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<tr>
<td>ENVS 245 Data Analysis for Business</td>
<td>4</td>
<td></td>
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<tr>
<td>or MATH 380 Elementary Probability and Statistics</td>
<td>5</td>
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</tbody>
</table>

**Degree Options—choose one of the three options for the BS. Students must satisfy course requirements in one of the following three subject areas: environmental biology, environmental chemistry, environmental geology.**

**ENVIRONMENTAL BIOLOGY**

**Required General Biological Knowledge**

Any one of the following (5 credits)

- BIOL 301 Microbiology (5)
- BIOL 302 Botany (5)
- BIOL 303 Invertebrate Zoology (5)
- BIOL 304 Vertebrate Zoology (5)

**Capstone (5 credits)**

- BIOL 490 Capstone (5)

**Electives (20 credits)**

20 credits of upper division electives with advisor’s consent.

**Required environmental science credits**

81–84 credits

**General biological knowledge credits**

30 credits

**Minimum total credits for above emphasis**

111 credits

**ENVIRONMENTAL CHEMISTRY**

**All Required General Chemistry Courses (25 credits)**

- CHEM 319 Modern Inorganic Chemistry (4)
- CHEM 351 Organic Chemistry (4)
- CHEM 352 Organic Chemistry (4)
- CHEM 372 Organic Chemistry Lab I (3)
- CHEM 491 Senior Thesis (4)

**Chemistry Elective, select one (5–6 credits)**

- CHEM 353 Organic Chemistry (3)
- and CHEM 373 Organic Chemistry Lab II (3)
- CHEM 480 Biochemistry (5)

**Required Geochemistry Course (5 credits)**

- GEOL 463 Environmental Geochemistry (5)

**Required environmental science credits**

81–84 credits

**Required general chemistry credits**

25 credits

**Chemistry elective credits**

5–6 credits

**Required geology credits**

11 credits

**Minimum total credits for above emphasis**

116 credits

**ENVIRONMENTAL GEOLOGY**

**All Required Geology Courses (34 credits)**

- GEOL 122 Historical Geology (5)
- GEOL 311 Earth Materials (4)
- GEOL 360 Geologic Hazards (4)
- GEOL 411 Sedimentology and Stratigraphy (4)
- GEOL 462 Principles of Geochemistry (5)
- or GEOL 463 Environmental Geochemistry (5)
- GEOL 475 Engineering Geology: Soils (4)

**Capstone (4 credits)**

- GEOL 490A Senior Capstone: Water and the West: Water Resource Engineering in Arid Lands (4)

**Electives (4 credits)**

4 credits of upper division electives with advisor’s consent.

**Required environmental science credits**

81–84 credits

**Required geology credits**

34 credits

**Minimum total credits for above emphasis**

115 credits

**College of Science, Health & Engineering**

ewu graduate and undergraduate catalog 2014–15
ENVIRONMENTAL SCIENCE MINOR (34–35 CREDITS)

Required Courses (30 credits)
- BIOL 171 Biology I (5)
- BIOL 172 Biology II (5)
- CHEM 121 Chemistry and its Role in Society (5)
- ENVS 100 Introduction to Environmental Science (5)
- GEOL 120 Physical Geology—The Solid Earth (5)
- GEOL 121 Physical Geology—Surficial Processes (5)

Elective (4–5 credits)
One elective course (4–5) at the 200-level or above in either BIOL, CHEM or GEOL subject to approval by advisor or program director

Total minimum credits for above minor 34 credits

Environmental Science Courses

Terms offered: fall, winter, spring, summer (FWSU). If no terms are indicated, check with the department or EagleNET.

ENVS 100 Introduction to Environmental Science (5)
Prerequisites: CPLA, ENGL and MATH clearance.
Satisfies: GECR for natural sciences, environmental science.
This course is an introductory exploration of environmental science that emphasizes a scientific approach toward understanding contemporary human interaction with the natural environment. The structure, function and interrelationships of terrestrial, aquatic and atmospheric systems are treated through the application of biological, chemical and geological principles. This course includes a weekly laboratory that uses basic quantitative techniques for collecting and analyzing data from environmental systems.

ENVS 300 Environmental Science Junior Seminar (1)
Prerequisite: ENVS 100 and admission to Environmental Science program.
The purpose of this seminar course is to expose students to a variety of potential careers in the environmental sciences.

ENVS 323 GIS Environmental Sciences (3)
Cross-listed: GEOG 323.
Prerequisite: CPLA 101 or CPLA 120.
Introduction to Geographic Information Systems (GIS) with an emphasis on its applications in the environmental sciences. Course includes hands-on GIS work in the lab. This course satisfies an option for the Certificate in GIS.

ENVS 400 Environmental Science Senior Seminar (1)
Prerequisite: ENVS 300 and junior or senior standing.
Through reading current literature, discussion and writing, students integrate knowledge of chemistry, biology and geology with current environmental issues.

The cinema is truth 24 frames-per-second.
Jean-Luc Godard (b. 1930–)
Faculty: E. Miranda, C. Ogden, P. Porter.

UNDERGRADUATE PROGRAM

The Film program prepares students for creative roles in the motion picture and television industry. The 81 credit program provides intensive experience in production and writing as well as media theory and criticism. Graduates are required to write a classically structured, feature length screenplay and complete a major film/video production or theory/criticism project. A faculty-student panel reviews both the script and the project as a part of the Senior Capstone experience.

Admission to the program is restricted to fall quarter. Failure to complete courses as they are offered will result in a significant delay in progress toward graduation. Transfer students, including students with AA degrees, must complete FILM 214 no later than their first fall quarter in the program.

The Film Program provides students a variety of electronic media facilities, including radio and television studios, electronic field production units and audio and video editing suites.

The location of the campus in proximity to Spokane, a center of motion picture production, allows students to participate in internship programs in a wide range of communication settings.

Transfer Requirements for Film

Students must enter the program in the fall quarter. Students should make application for major status prior to the fall quarter they intend to begin their major in FILM and consult with the department chair on transferability of courses.

All students will be admitted to full major standing only after completion of all lower-division required GECR courses and acceptance by the department.

Foreign Language Requirements for Film

Two years of a single foreign language in high school or one year of a single foreign language at the college level is required for graduation with a BA major in FILM.

Required courses in the following program of study may have prerequisites. Reference the course description section for clarification.

BACHELOR OF ARTS (BA)

Student Learning Outcomes—students will:

• direct and produce fiction and nonfiction short videos;
• write classically structured screen plays of varying lengths;
• integrate knowledge of video production, writing and critical practice to their creative work;
• apply theories of the filmic arts as a means of deepening their criticism.

FILM MAJOR (81 CREDITS)

Note: two years of a single high school foreign language or one year of a single college level foreign language is required.

Required Courses

FILM 110 Introduction to Electronic Media Production (5)
FILM 214 Film and the Humanities (5)
FILM 221 Narrative Writing for Film (5)
FILM 305 Acting for Directors and Writers I (2)
FILM 306 Acting for Directors and Writers II (2)
FILM 311 Film Production (5)
FILM 312 Film Directing and Producing (5)
FILM 321 Writing for Film I (5)
FILM 322 Writing for Film II (5)
FILM 410 Advanced Film Production (5)
FILM 417 Advanced Writing for Film (4)
FILM 420 Feature Film Writing (4)
FILM 465 Film History I (5)
FILM 466 Film History II (5)
FILM 467 Film Theory and Criticism (5)
FILM 470 Film Criticism (Topic 1) (4)
FILM 470 Film Criticism (Topic 2) (4)
FILM 482 Senior Film (1)
or FILM 483 Senior Thesis: Criticism (1)
FILM 484 Oral Examination: Screenwriting (1)
FILM 490 Film Senior Capstone (4)

Optional Courses

FILM 439 Special Topics (1–5)
FILM 480 Field Production I (4)
FILM 481 Field Production II (4)
FILM 495 Field Experience in Film and Electronic Media (1–12)

Total credits for above major 81 credits

MINORS

FILM GENERAL MINOR (30 CREDITS)

Required Courses

FILM 110 Introduction to Electronic Media Production (5)
FILM 214 Film and the Humanities (5)
FILM 221 Narrative Writing for Film (5)
FILM 321 Writing for Film I (5)
FILM 465 Film History I (5)
FILM 466 Film History II (5)
FILM 467 Film Theory and Criticism (5)
FILM 470 Film Criticism (5)

Total credits for above minor 30 credits

Note: this minor can be completed in one year beginning in a fall quarter.

FILM STUDIES MINOR (24 CREDITS)

Required Courses

FILM 214 Film and the Humanities (5)
FILM 465 Film History I (5)
FILM 466 Film History II (5)
FILM 467 Film Theory and Criticism (5)
FILM 470 Film Criticism (4)

Total credits for above minor 24 credits

Note: students seeking the Film Studies Minor must allow for two years of enrollment to meet course prerequisites.

SCREENWRITING MINOR (28 CREDITS)

Required Courses

FILM 214 Film and the Humanities (5)
FILM 221 Narrative Writing for Film (5)
FILM 321 Writing for Film I (5)
FILM 322 Writing for Film II (5)
FILM 417 Advanced Writing for Film (4)
FILM 420 Feature Film Writing (4)

Total credits for above minor 28 credits

Note: students seeking the Screenwriting Minor must allow for two years of enrollment to meet course prerequisites.

GRADUATE PROGRAM

The Department of Theatre and Film does not offer a graduate degree but does cooperate in the Master of Science in Communications and in individualized interdisciplinary programs. The MS in Communications program is also described elsewhere in this catalog. Proposed interdisciplinary programs must be developed in consultation with a Theatre and Film advisor and submitted in compliance with requirements listed under Interdisciplinary Graduate Programs.

Note: any student enrolling in upper-division courses must be an FILM major or have permission of the instructor.
Film Courses

Terms offered: if no terms are indicated, check with the department or EagleNET.

FILM 110 Introduction to Electronic Media Production (5)
Prerequisite: completion of university proficiency in writing.
Survey of basic television production techniques, hands-on laboratory experience with electronic media equipment.

FILM 214 Film and the Humanities (5)
Satisfies: GECR for humanities and fine arts, list 2, fine arts.
Explores the varieties of human experience as they are expressed through the vocabulary of the filmic arts. Critical viewing, thinking and writing are emphasized.

FILM 221 Narrative Writing for Film (5)
Prerequisite: completion of university proficiency in writing.
The study and creation of narrative structures in film and video. Topics addressed include fiction and nonfiction, story world and screen world, selectivity and objectivity and devices used to represent tense and relationship. Students write critical papers as well as original scripts and view films and videos. All work submitted must be typed.

FILM 305 Acting for Directors and Writers I (2)
Prerequisite: FILM 110 or FILM 221, or permission of the instructor.
Explores the art of film acting from the perspectives of the director and the writer.

FILM 306 Acting for Directors and Writers II (2)
Prerequisite: FILM 305 or permission of the instructor.
Further explores the creative dynamics between film directors, writers and actors.

FILM 311 Film Production (5)
Prerequisite: FILM 110, FILM 214, FILM 221.
Aesthetic considerations of the video and audio aspects of television production. Various techniques and media are considered. Laboratory exercises encourage audio and video exploration of new forms and techniques.

FILM 312 Film Directing and Producing (5)
Prerequisite: FILM 110, FILM 311.
Experience in directing and producing television shows, development of programs, set design and construction, lighting, special effects and camera positioning.

FILM 321 Writing for Film I (5)
Note: offered once a year.
Prerequisite: FILM 214, FILM 221.
The course provides experience in writing the short film. Students will learn to develop story through character, dialogue and action. Criticism and revision are emphasized.

FILM 322 Writing for Film II (5)
Note: offered once a year.
Prerequisite: FILM 321.
Adapting pre-existing materials, ideas and out-of-copyright literary work into producible short screenplays. Narrative problem solving, structure, criticism and revision are emphasized.

FILM 399 Special Studies in Radio Television (1–5)
Prerequisite: permission of the instructor, department chair and college dean.
Subjects studied vary according to faculty and student interest.

FILM 410 Advanced Film Production (5)
Prerequisite: FILM 110, FILM 311, FILM 312.
Planning, designing, budgeting and proposing television programs. Time, talent, union requirements and resource budgeting. Selection of locations, logistical planning, aesthetic considerations, criteria for director selection and channels of distribution. Participants in this course will prepare fully budgeted original program proposals and present them to clients in classroom role-play situations.

FILM 417 Advanced Writing for Film (4)
Note: may be repeated for credit when topics vary.
Prerequisite: FILM 322.
Workshop in various forms of script writing, e.g., documentary, narrative fictional, narrative nonfictional, comedy, adaptation. Different topics may be indicated on EagleNET and on the student’s permanent record.

FILM 420 Feature Film Writing (4)
Note: may be repeated for credit when screenplay project is different.
Prerequisite: FILM 417 or permission of the instructor.
Students will write a first draft of a feature film screenplay from a treatment or story outline.

FILM 439 Special Topics (1–5)
Prerequisite: permission of the instructor.
The topics in this course will vary. May include writing for specific genres, examination of films from a historical period and the screenplay as literature.

FILM 465 Film History I (5)
Prerequisite: FILM 214.
This course examines the history and development of the filmic arts from inception through the 1950s with an emphasis on analysis, critical thinking and writing.

FILM 466 Film History II (5)
Prerequisite: FILM 465.
History and development of the filmic arts from the 1950s to the present. Emphasis on analysis, critical thinking and writing.

FILM 467 Film Theory and Criticism (5)
Prerequisite: FILM 465.
Explores the major film theories and their development in the 20th century. Critical thinking, writing and analytic skills are emphasized.

FILM 470 Film Criticism (4)
Note: may be repeated for credit when topics vary.
Prerequisite: FILM 467 or permission of the instructor.
This variable topic class explores a significant theory or issue within the filmic arts. Emphasizes critical viewing, reading and writing.

FILM 480 Field Production I (4)
Note: offered once a year.
Prerequisite: FILM 410.
Preproduction, production and post-production of a 30-minute script. Emphasis on both schedule adherence and aesthetic realization.

FILM 481 Field Production II (4)
Note: offered once a year.
Prerequisite: FILM 410, FILM 480.
Preproduction, production and post-production of a 30-minute script. Emphasis on both schedule adherence and aesthetic realization.

FILM 482 Senior Film (1)
Prerequisite: permission of instructor.
Students will complete a short film and screen it for the public and the FILM faculty. Directors will discuss storytelling and aesthetic choices following the screening.

FILM 490 Research Report in Radio-Television (1–5)
Prerequisite: concurrent registration in FILM 490.
Students will prepare a feature length screenplay for submission to faculty as a part of an oral examination in the FILM major.

FILM 499 Directed Study (1–5)
Prerequisite: permission of the instructor, department chair and college dean.
On-the-job experience at commercial radio and television stations, advertising agencies, public relations and communications-oriented industries.

FILM 501 Independent Study (1–5)
Prerequisite: permission of the instructor, department chair and college dean.

FILM 598 Independent Study (1–5)
Note: offered once a year.
Prerequisite: permission of the instructor, college dean.
Student research resulting in a scholarly paper under the direction of the student’s graduate committee.

FILM 601 Advanced Film Directing and Producing (5–15)
Prerequisite: permission of the instructor, college dean.
Independent research resulting in a scholarly paper under the direction of the student’s graduate committee.

FINANCE
See BUSINESS ADMINISTRATION.
Food and Nutrition/Dietetics does not offer a degree program, but the course supports other programs.

**Food and Nutrition Dietetics Course**

*Terms offered:* fall, winter, spring, summer (FWSU).
If no terms are indicated, check with the department or EagleNET.

**FNDT 356 Nutrition** (5) FWS

Note: for health science majors.

Nutrients, processes of digestion, absorption, metabolism and nutritive requirements.
Education is the ability to listen to almost anything without losing your temper or your self-confidence.
Robert Frost (1875–1963)
GEOGRAPHY

UNDERGRADUATE PROGRAMS

The Department of Geography and Anthropology offers courses of study leading to the Bachelor of Arts in Geography. A Minor in Geography is also offered, as well as Certificates in Geographic Information Systems (GIS) and Wetlands Science and Management. The Geography program is designed for students seeking professional careers in environmental fields, GIS, education and graduate study. Typical career fields include computer cartography and GIS, urban and regional planning, community development, environmental analysis, park ranger, intelligence analyst, hydrologist, climatologist, natural resources specialist, demographer, historic preservation specialist and numerous other related environmental fields. The Department of Geography and Anthropology has a number of physical facilities available for student use in conjunction with coursework. Included are a cartography lab, a map library and a GIS and computer-mapping laboratory.

Admissions Requirements for Geography and Anthropology
Students who plan to become candidates for advanced degrees are advised to complete two years of a foreign language. Also, Geography majors are advised to take at least one course in statistics.

Required courses in the following programs of study may have prerequisites. Reference the course description section for clarification.

BACHELOR OF ARTS (BA)

Student Learning Outcomes—students will:

• demonstrate proficiency in interpreting existing and creating new maps, in both paper and digital formats;
• demonstrate awareness of the diversity of cultural and natural landscapes on a global scale;
• demonstrate basic knowledge of the content and history of geography’s main sub disciplines, including physical, human, regional and cartographic techniques;
• apply basic research methodologies and field techniques to geographic research;
• demonstrate communication skills and critical thinking abilities required to interpret and express geographic information in clear written form.

GEOGRAPHY MAJOR (60–65 CREDITS)

Note: two years of a single high school foreign language or one year of a single college level foreign language is required.

Note: a minor is strongly recommended for the Geography BA.

Cooperative studies and programs are coordinated with Environmental Science, Biology, Geology, History, Children’s Studies, International Affairs, and Urban and Regional Planning.

The Geography program has four major missions:

1. providing general education courses to enrich the liberal arts offerings in both the sciences and social sciences;
2. offering specialized or more advanced courses to service other programs in the university;
3. providing a solid academic major for students wishing to pursue graduate study or work as a professional; and
4. supporting research, consulting and other services for the region.

Disciplinary Core Courses (20 credits)
GEOG 201 Introduction to Field Research (5)
GEOG 227 Introduction to Map and Air Photo Analysis (3)
GEOG 230 World Regional Geography (5)
GEOG 392 History and Philosophy of Geography (2)
GEOG 490 The Geographer’s Capstone (5)

Elective Concentration: Choose one of the following (20–25 credits)

CSBS Certificate Program
Students may select one of the approved interdisciplinary certificate programs from the CSBS Certificate Program List, with approval of the Geography Program Director. Additional Geography electives may be required to reach the 20 credit minimum if the approved Certificate is less than 20 credits.

Geography Graduate School Track
Students may follow the traditional four field focus (human, physical, regional, technical) that is the expected preparation for graduate school. See full Geography Graduate School Track list below.

Specialization Track
Under certain circumstances, students may be allowed to design 20 to 25 credit group of electives that best expose them to the branch of geography they wish to pursue, with approval of the Geography Program Director.

Geography Graduate School Track Coursework
Select a minimum of 5 credits from each of the following four groups (20 credits minimum)

• Human
  GEG 250 Global Economic Development (3)
  GEG 305 Introduction to Oceanography (5)
  GEG 306 Natural Vegetation Ecology of North America (5)
  GEG 312 Fundamentals of Soil Science (4)
  GEG 314 Weather and Climate (5)
  GEG 315 Surface Hydrology (4)
  GEG 325 Wetland Science I (4)
  GEG 410 Geomorphology (5)
  GEG 420 Applied Geography Studies (2–5)

• Regional
  GEG 380 Geography of the Pacific Northwest (4)
  GEG 392 History and Philosophy of Geography (2)
  GEG 393 Geography of Monsoon Asia (4)
  GEG 408 Seminar (Geography) (1–5)

• Techniques
  GEG 328 Geographic Information Systems I (5)
  GEG 329 Air Photo Interpretation (5)
  GEG 420 Applied Geography Studies (2–5)
  GEG 427 Desktop Mapping (3)
  GEG 428 Geographic Information Systems II (5)

Disciplinary foundation credits 10 credits
Social and behavioral sciences foundation credits 10 credits
Disciplinary core credits 20 credits
Elective credits 20–25 credits
Minimum total credits for above major 60 credits

CERTIFICATE

Student Learning Outcomes—students will:

• demonstrate mastery of foundational concepts of geographic information science;
• demonstrate mastery of foundational concepts of social context of geographic information;
• have the ability to critically evaluate quality and accuracy of spatial data;
• show demonstrated proficiency with GIS software;
• have the ability to communicate geographic information through well-designed maps;
• have the ability to work in teams.
CERTIFICATE IN GEOGRAPHIC INFORMATION SYSTEMS (24–30 CREDITS)

The Certificate in Geographic Information Systems offers students an intensive, interdisciplinary course of study in the field of Geographic Information Systems (GIS) technology. Candidates must take four required courses and choose three additional classes from a list of options for a total of 24–30 credits. All students study a core of computer mapping and spatial analysis basics and then focus on their own application area (e.g., wildlife biology, wetlands, programming, cartographic design). The certificate is open to all majors and post-degree students. In order to qualify for admission to the GIS Certificate Program, full-time EWU students must hold a GPA ≥ 3.0 and be entering or past their junior year, or obtain special permission from the certificate program advisor. Post-degree continuing education students who did not graduate from their previous school with at least a GPA ≥ 3.0 will be admitted on a probationary basis. A grade ≥ 3.0 must be earned in each course for it to count toward the Certificate.

**Required Certificate Courses (17 credits)**
- GEOG 328 Geographic Information Systems I (5)
- GEOG 428 Geographic Information Systems II (5)
- GEOG 429 Geographic Information Systems III (5)
- GEOG 493 GIS Portfolio (2)

**Electives**
- GIS Specialty—choose one (3 credits)
  - GEOG 427 Desktop Mapping (3)
  - or GEOG 499 Directed Study (3)
- Interdisciplinary—choose one (1–5 credits)
  - GEOG 325 GIS Environmental Science (3)
  - PLAN 496 Experimental Course (1–5 credits) can be substituted for the Interdisciplinary requirement on approval of the GIS Certificate Program advisor.

**Application Area—choose one (3–5 credits)**
Student selects appropriate (non-GIS) course with approval of certificate advisor, to complement chosen application area focus, e.g., Soils, Wetlands, Visual Basic, Global Issues.

**Required program credits**
- Elective credits
- Minimum total credits for above certificate

**CERTIFICATE IN WETLANDS SCIENCE AND MANAGEMENT (31–33 CREDITS)**

The Certificate in Wetlands Science and Management provides EWU students with a focused training in the field of Wetland Science. The curriculum encompasses both the physical science that defines wetlands and the social context of wetlands in terms of their functions and value to society. Successful completion of the Wetlands Certificate requires 23 credits of required class work and 8 to 10 credits of electives for a total of 31 to 33 credits. Coursework is interdisciplinary, blending together classes from biology, geography and planning. This certificate program is open to all majors.

**Required Certificate Courses (23 credits)**
- BIOL 411 Field Botany (5)
- GEOG 312 Fundamentals of Soil Science (4)
- GEOG 325 Wetland Science I (4)
- GEOG 490 The Geographer’s Capstone (5)
- PLAN 430 Environmental Planning (5)

**Electives—students must choose two courses (8 to 10 credits)**
- BIOL 405 Limnology (5)
- GEOG 315 Surface Hydrology (4)
- GEOG 328 Geographic Information Systems I (5)
- GEOG 410 Geomorphology (5)
- GEOL 470 Hydrogeology (4)
- PLAN 431 Environmental Impact Statements (3)
- PLAN 440 Land Use Planning (5)

**Required program credits**
- Elective credits
- Minimum total credits for above certificate

**MINOR GEOGRAPHY MINOR (14–15 CREDITS)**

**Required Courses (10 credits)**
- GEOG 100 Fundamentals of the Physical Environment (5)
- GEOG 101 Fundamentals of Human Geography (5)

**Electives (4–5 credits)**
Select courses in consultation with department advisor.

**Required program credits**
- Elective credits
- Minimum total credits for above minor

**GRADUATE CERTIFICATE**

**Student Learning Outcomes—students will:**
- demonstrate mastery of foundational concepts of geographic information science;
- demonstrate knowledge of the history of the technologies, methodologies, and philosophies of geographic information science;
- critically evaluate research in the field of geographic information science;
- critically evaluate the quality and accuracy of spatial data;
- demonstrate proficiency with geographic information system software and related programming languages;
- design and implement methods and communicate results using geographic information system software as part of critical spatial analysis research.

**GRADUATE CERTIFICATE IN GIS (28 CREDITS)**

The Graduate Certificate in Geographic Information Systems offers current graduate and post-baccalaureate students an intensive, interdisciplinary course of study in the field of Geographic Information Systems (GIS) technology and theory. All certificate students complete four required courses that introduce GIS concepts and applications, database formats, mapping, and spatial analysis. Based on area of specialization, students then elect to pursue GIS applications in either the environmental sciences or the social sciences. All students are required to participate in a “real world” GIS project in order to complete the certificate. The graduate certificate is open to all current graduate students and to post-degree continuing education students. No prior background in GIS is required.

**Required Core (17 Credits)**
- GEOG 328 Geographic Information Systems I (5)
- GEOG 538 Geographic Information Systems II (5)
- GEOG 548 Geographic Information Systems III (5)
- GEOG 549 GIS Portfolio (2)

**Elective Concentrations (11 Credits)**

**Application Area Concentration**
- GEOG 521 GIS for Social Sciences (3)
- or GEOG 523 GIS for Environmental Sciences (3)

**Programming and Geospatial Database Concentration**
- GEOG 536 GIS Programming (5)
- or GEOG 599 Directed Study (5) with approval of GIS Certificate Director.

**Visualization Techniques Concentration**
- GEOG 527 Desktop Mapping (3)
- or GEOG 599 Directed Study (5) with approval of GIS Certificate Director

**Note:** Current graduate students in programs other than this certificate program will be required to demonstrate use of GIS analysis in their master’s research project. Current post-baccalaureate students will be required to complete an internship with a designated community partner as part of their GEOG 548 course.

**Required program credits**
- Elective concentration credits
- Minimum total credits for above certificate
GEOG 329 GIS for Environmental Sciences (3) \( WU \)
Cross-listed: ENVS 373.
Prerequisites: CLPA 101 or CLPA 120.
Introduction to Geographic Information Systems (GIS) with an emphasis on its application in the Environmental Sciences. Course includes hands-on GIS work in the lab. This course satisfies an option for the Certificate in GIS.

GEOG 325 Wetland Science I (4) \( S \)
Prerequisites: permission of the instructor.
An introduction to the fundamental processes that form and sustain wetlands. Emphasizes the distinctive hydrology, soils and vegetation of wetlands and field experience in delineation. Examines issues of regulation. Focus is on Pacific Northwest wetlands.

GEOG 328 Geographic Information Systems II (5) \( FS \)
Prerequisites: Computer Literacy.
Introductory survey of geographic information systems. Focus is on (1) computer techniques for the input, storage, manipulation, analysis and output of spatial data and (2) the social and administrative creation and dissemination of geographic information. Lecture and laboratory.

GEOG 329 Air Photo Interpretation (5) \( W \)
Prerequisites: junior standing or permission of the instructor.
Aerial photographs as records of the earth surface; recognition, measurement and interpretation of natural and man-made features.

GEOG 330 Geography of the Pacific Northwest (4) \( F \)
Prerequisites: junior standing.
An introduction to regional geographic studies on a local scale. A survey and appraisal of the interrelated elements of the economy, resources, population and physical environment as they affect the growth and development of the region.

GEOG 332 Geography of Latin America (4) \( F \)
Prerequisites: junior standing.
The study of the physical and human geography of the Americas south of the Rio Grande. Emphasizes explanatory description.

GEOG 333 Geography of Monsoon Asia (4)
This course is a regional study of non-Russian Asia and adjacent islands, from humid monsoon lands of the far east to the arid eastern Mediterranean.

GEOG 334 The Historical Geography of Canada (4)
Cross-listed: HIST 334.
Canada occupies a strategic place in world geography owing to its central location with regard to Europe, Asia and the United States; its resource base, its role in regional and world organizations and the distinctive national characteristics and traditions that its peoples have developed.

GEOG 335 The Geography of the Pacific Rim (4)
The growing importance of the nations surrounding the Pacific Ocean in world economic development and international relations has been apparent since the early 1900s, but the distribution of power today—at the threshold of a new century—it is of critical importance. The destiny of the United States and the Pacific Northwest in particular, is inextricably linked to events in such places as China, Japan, the Koreas, Indonesia, Australia, Latin America, Canada and Russia, to name but a few. This course will focus on the major trading nations of the Pacific Rim and examines their relationships with the nations of North America and each other with an approach that blends geography, economics, political science and cultural awareness.
GEOG 336 Geographies of Conflict in the Middle East (5) W
Cross-listed: ANTH 336, HIST 336.
Examines the Middle East and its various ethnic, political, economic, religious and environmental conflicts from a geographic perspective. The course’s holistic examination of geographic and anthropological inquiry will offer insights into how the natural environment and built environment interact and engage with the cultural and political landscapes of the Middle East.

GEOG 355 The Geography of Theme Parks (2) F
Prerequisite: ENGL 201.
Examination of the geographic history and characteristics of the theme park as a ‘serious’ part of the built environment. We consider the environmental, economic, political, cultural, architectural and technological impacts of theme parks on urban and suburban space around the world.

GEOG 357 The Geography of Childhood (3) PWS
Prerequisite: ENGL 201.
Examination of the geographic aspects of childhood across space and time. Focus on how cultures in different places and at different times have created, maintained and controlled spaces for children, including where children are born, who cares for infants, the conditions of schooling, leisure spaces provided and the ‘virtual’ geographies of telecommunication and the Internet.

GEOG 390 Earth Science Teaching Methods (1) F
Cross-listed: GEOL 390.
Prerequisite: GEOL 120, GEOL 121, GEOG 354, PHYS 121; EDUC 363 or permission of the instructor. SCED 390 co-requisite.
This course is designed for Earth Science majors planning to teach middle school, junior or senior high school. It includes the development of curriculum and the organization of teaching materials, techniques and evaluation.

GEOG 392 Seminar in History and Philosophy of Geography (2) W
Prerequisite: junior standing or permission of the instructor.
The development of geographic thought from early to contemporary time.

GEOG 399 Directed Study (1–15) Note: maximum of 6 credits may be earned.
Prerequisites: permission of the instructor, department chair and college dean.
Individual study concerned with an appropriate problem closely directed by a geography staff member. Science or social studies credits may be earned depending on the nature of the problem undertaken.

GEOG 406 Women and Men in the Cultural Landscape (1) W
Cross-listed: WMGT 406.
The created landscape reflects human values and experience. This course examines ways in which women and men create, use and experience the humanized landscape. We will examine spatial patterns of human activity from a variety of times and places, linking geographic theory to everyday environments. The course will include map work, slide analysis and a field exercise as tools for identifying and interpreting cultural landscapes.

GEOG 410 Geomorphology (5) F
Prerequisite: GEOG 100 or GEOG 121 or permission of the instructor.
This course treats the development of the surface features of the earth caused by mountain-building, weathering, erosion and deposition.

GEOG 420 Applied Geographic Studies (2–5) S
Note: May be repeated for different problems. Credits vary, depending on type of study undertaken.
Prerequisite: junior or permission of the instructor.
Problem formulation and analysis as they apply to geographic studies. Practical use of geographical techniques mainly for student-originated studies.

GEOG 427 Desktop Mapping (3) F
Prerequisite: CPLA 101 or permission of the instructor.
Advanced provision of maps and related graphics using computer techniques. Emphasis is placed on the design and creation of thematic maps. Lecture and laboratory.

GEOG 428 Geographic Information Systems II (5) W
Prerequisite: GEOG 328.
Advanced course in geographic information systems and their applications. Through detailed examination of conceptual issues and in-depth laboratory work, students develop and implement a project that involves the computer analysis of spatial data. Lecture and laboratory.

GEOG 429 Geographic Information Systems III (5) S
Prerequisite: GEOG 428 or permission of the instructor.
Advanced course in geographic information systems and their applications. Each student will be responsible for designing and carrying out a GIS project using real-world data. Course required for certification in GIS.

GEOG 436 Politics of Culture: Israel and Palestine (5) S
Cross-listed: ANTH 436, HIST 436.
Examines the role of culture in the political struggles between Israelis and Palestinians. Explores the influence of national, religious, ethnic and historical narratives in the conceptualization of the Israeli-Palestinian conflict. This course will consider how a detailed knowledge of these politics of culture can provide meaningful insights to potential avenues of cultural reconciliation and, ultimately, a more peaceful environment for Israelis and Palestinians.

GEOG 437 Women and Islam (5) S
Cross-listed: ANTH 437, HIST 437, WMGT 437.
Prerequisite: junior or senior standing.
This course examines the status and identity of women in Islamic communities throughout the world and the different interpretations of Islam, as a simultaneous religious, social, cultural, political and economic system, influences perceptions of women within Islamic communities. It further considers the perceptions of Islam vis-à-vis women and Islamic women themselves by non-Muslim communities.

GEOG 438 Peace, Violence and Culture (5)
Cross-listed: ANTH 438, HIST 438.
Prerequisite: junior or senior standing.
This course is a collective exercise in critical thinking on the intersection and interaction of peace, violence and culture. It explores the cultural dimensions of peace and violence, including the role of culture in defining and understanding the manifestation and enactment of peace and violence both by and against individuals as well as groups.

GEOG 450 Global Transportation Development (5) S
Prerequisite: GEOG 101 or permission of the instructor.
Transportation, involving the movement of goods, people and information, is the most tangible expression of interaction between regions and places. Because it is a major force in shaping the landscape, transportation studies assume a central position in the field of geography. The creation of rapid and economical access is central to the process of development at local, regional and national scales. Changes in modes of transport, particularly since the mid-19th century, have revolutionized trade, travel and communication. The evolution of transport networks has been critical in fostering urbanization and a specialized space economy. In this course we will explore the basic concepts of geographical transportation analysis and apply them to a variety of historical and contemporary topics.

GEOG 459 Political Geography (3) W
Prerequisite: junior standing or permission of the instructor.
Spatial aspects of political phenomena. Examines the geographical environment as it affects and is affected by political phenomena.

GEOG 465 Urban Geography: Origins, Forms and Functions (3)
Urbanization has been such a central aspect of human civilization that the forces affecting cities and towns are almost as diverse as those shaping culture itself. This course in urban geography will deal with two major aspects of urbanization: the role, purpose and evolution of cities; and the processes at work in our society that both create and transform the physical structure of cities. Because urban places are central to our economy as well as society, we will consider a broad and varied range of material from other academic disciplines, with the primary focus on the North American city.

GEOG 469 Built Environments of North America: Symbol and Structure (3) S
Cross-listed: HIST 469, PLAN 469.
Prerequisite: GEOG 101 or permission of the instructor.
This course is a survey of North American architectural landscapes from the colonial period to the present. This course will examine such topics as the diffusion of major styles of residential, commercial and public architecture across the continent, the relationship of geography and climate to the availability of building materials and technology and the effects of these on the human built environment, especially in the Pacific Northwest. Special emphasis will be placed on the visual differentiation of building styles and the symbolic, political and philosophical foundations of architectural form and decoration.

GEOG 490 The Geographer's Capstone (5) W
Prerequisite: senior standing or permission of the instructor.
Satisfies: senior capstone university graduation requirement.
This course is a departmental capstone highlighting original geographic research projects designed by students, integrating both physical and human geography topics. The course culminates in a Geography Conference that students plan and host to display their work.
GEOG 493  GIS Portfolio (2) $  
Prerequisite:  GEOG 429 or permission of the instructor.  
Exit synthesis for the certificate in GIS or related GIS studies. Students will produce two versions of a GIS portfolio highlighting their GIS work, one in hard copy and one on the web using appropriate web publishing and map serving software.

GEOG 495  Internship (1–15) $  
Prerequisite:  permission of the instructor, department chair and college dean.

GEOG 497  Workshops, Short Courses, Conferences (1–15) $  
Prerequisites:  15 credits successfully completed in geography or permission of the instructor.

Advanced group study. Discussion topics selected for each seminar.

GEOG 499  Directed Study (1–15)  
Prerequisite:  permission of the instructor, department chair and college dean.

GEOG 521  GIS for Social Sciences (5)  
This course emphasizes the application of Geographic Information Systems in the Social Sciences, including census data, demographic analysis, social justice and related mapping of social phenomena. Course includes hands-on GIS work in the lab.

GEOG 523  GIS for Environmental Sciences (3)  
This course emphasizes the application of Geographic Information Systems in the Environmental Sciences, including mapping and analysis of topographical, hydrological, geological, biological and other environmental data. The course includes hands-on GIS work in the lab.

GEOG 527  Desktop Mapping (3)  
This course explores the various ways that spatial information is communicated through cartographic and related methods. The course covers both contemporary theories of cartographic visualization and applied digital design strategies. The course includes hands-on lab work using GIS and related mapping software.

GEOG 528  Geographic Information Systems I (5)  
Introductory survey of geographic information systems. Focus is on (1) computer techniques for the input, storage, manipulation, analysis and output of spatial data and (2) the social and administrative creation and dissemination of geographic information.

GEOG 536  GIS Programming (5)  
Prerequisite:  GEOG 528.  
This is an advanced course in GIS programming concepts and techniques. Students will be exposed to both legacy and contemporary programming languages integrated with GIS packages. Emphasis will be on creating and interpreting scripts using languages supported by current GIS software. The course includes hands-on GIS and programming work in the lab.

GEOG 538  Geographic Information Systems II (5)  
Prerequisite:  GEOG 528.  
This course focuses on the design and implementation of geographic information system database structures. Emphasis is on the construction and analysis of contemporary and legacy vector structures, with basic exploration of raster structures. The course includes hands-on GIS work in the lab.

GEOG 548  Geographic Information Systems III (5)  
Prerequisite:  GEOG 528, GEOG 538.  
This is an advanced course in GIS project design and execution. Students will be expected to work independently on a real-world GIS project, based on either thesis research or an on-going project developed with a community partner. Students will oversee all stages of the project from design to data collection to presentation of results. The course is required for the GIS Certificate program.

GEOG 549  GIS Portfolio (2)  
Prerequisite:  GEOG 548 or permission of the instructor.  
Advanced GIS course for students finishing their graduate degree and/or GIS Certificate program. This class offers students the opportunity to review and revise previous work, arrange it into a portfolio, provide supporting documentation and metadata, and, optionally, create a web page featuring the portfolio material.

GEOG 599  Directed Study (1–5)  
Prerequisite:  permission of the instructor, department chair and college dean.
In the presence of nature, a wild delight runs through the man, in spite of real sorrows. Nature says,—he is my creature, and maugre all his impertinent griefs, he shall be glad with me.

Ralph Waldo Emerson (1803–1882)
UNDERGRADUATE PROGRAMS

Geology is the science of planet Earth. Geologists use elements of chemistry, physics, biology and mathematics in interpreting the evolution of the Earth and its life forms. Applied geology addresses exploration of Earth resources, environmental quality and hazards and practical understanding of the planet on which we live.

Geology is a field-oriented science and our curriculum emphasizes field studies. However, geologists increasingly employ advanced chemical and physical analytic techniques and use computers to model natural systems. Eastern has specialized laboratory facilities for various sub-disciplines in geology. Extensive collections of minerals, rocks and fossils are available for study and research.

Nationwide, approximately half of recent geology graduates are employed in environmental fields while a third go on to graduate school. Most of the rest go into the petroleum industry, teaching, government or mining. The Geology Department has close relations with geotechnical/environmental consulting firms, government agencies and mining companies in the Pacific Northwest.

Students should decide on declaring their geology major early to ensure timely graduation with the many credits needed in the Bachelor of Science program. Course substitutions in the Geology program must be approved by the Department. Most graduate schools require a full year of calculus. An opportunity exists to earn a double major with a BS in both Geology and Environmental Science. (See catalog section on Environmental Science.)

General Admissions Requirements for Geology

High school students planning to major in Geology should take two years of algebra, one year of geometry/trigonometry and one year of chemistry and physics. They are also encouraged to take four years of English. The ability to express ideas and concepts clearly and concisely, both orally and in written form, is fundamental to all sciences.

Entering freshmen and transfer students electing to major in Geology should contact the Department for advising as soon as possible. Failure to do so may result in an additional year to finish the BS program. Especially important for beginning students is early completion of the chemistry sequence. Enrollment in GEOL 120 and GEOL 121 requires a major declaration in Geology.

Grade Requirement

- 2.50 cumulative average
- 2.0 in required supporting and geology classes

Required courses in the following programs of study may have prerequisites. Reference the course description section for clarification.

BACHELOR OF ARTS (BA)

Student Learning Outcomes—students will:

- demonstrate effective skills in oral and written communication in order to be successful in the field of geology;
- demonstrate an understanding of basic principles of the history and development of the earth through time;
- demonstrate the proper use of computer, laboratory and field equipment used in geology.

GEOLOGY MAJOR (66–72 CREDITS)

The Bachelor of Arts serves students interested in geology-oriented fields which do not require the full range of professional training. Employment opportunities include such varied possibilities as park naturalist, urban and regional planner or geological technician.

Required Courses (31–37 credits)

- GEOL 120 Physical Geology: The Solid Earth (5)
- GEOL 121 Physical Geology: Surficial Processes (5)
- GEOL 122 Historical Geology (5)
- GEOL 311 Earth Materials (4)
- GEOL 312 Crystallography and Optical Mineralogy (4)
- GEOL 313 Igneous and Metamorphic Petrology (4)
- GEOL 490 Senior Capstone: Geology Field Camp (10)
  or GEOL 490A Senior Capstone: Water and the West: Water Resource Engineering in Arid Lands (4)
  or GEOL 491 Senior Thesis (4)

Required Supporting Courses (10 credits)

- CHEM 151 General Chemistry (5)
- CHEM 152 General Chemistry (5)

Choose one from the following (5 credits)

- BIOL 171 Biology I (5)
- GEOL 328 Geographic Information Systems I (5)
- GEOL 410 Geomorphology (5)
- MATH 161 Calculus I (5)
- MATH 380 Elementary Probability and Statistics (5)
- PHYS 131 Introductory Physics I (4)
  and PHYS 161 Mechanics Lab (1)

Electives (20 credits)

- GEOL 320 Environmental Geology (4)
- GEOL 360 Geologic Hazards (4)
- GEOL 408 Invertebrate Paleontology (4)
- GEOL 411 Sedimentology and Stratigraphy (4)
- GEOL 430 Structural Geology I (4)
- GEOL 431 Structural Geology II (4)
- GEOL 470 Hydrogeology (4)
  Geology field course (up to 5 credits)

Required program credits 31–37 credits

Required supporting credits 15 credits

Elective credits 20 credits

Minimum total credits for above major 66 credits
**BACHELOR OF SCIENCE (BS)**

**Student Learning Outcomes—students will:**

- demonstrate effective oral and written communication skills necessary for employment in the various fields of geology;
- demonstrate critical thinking skills to solve geological problems encountered in the various fields of geology;
- use the tools and equipment available to professional geologists to solve geological problems;
- demonstrate a solid understanding of geologic principles and processes that operate in the complex systems of the earth.

**GEOLOGY MAJOR (108 CREDITS)**

The Bachelor of Science program prepares students for careers as professional geologists, provides the basis for admission to graduate school and prepares students seeking registration and licensing as professional geologists. Some courses in the BS degree will also count as Natural Science GECS and satisfy the university proficiency in mathematics requirement.

**Required Courses (53 credits)**
- GEOL 120 Physical Geology—The Solid Earth (5)
- GEOL 121 Physical Geology—Surficial Processes (5)
- GEOL 122 Historical Geology (5)
- GEOL 311 Earth Materials (4)
- GEOL 312 Crystallography and Optical Mineralogy (4)
- GEOL 313 Igneous and Metamorphic Petrology (4)
- GEOL 408 Invertebrate Paleontology (4)
- GEOL 411 Sedimentology and Stratigraphy (4)
- GEOL 430 Structural Geology I (4)
- GEOL 431 Structural Geology II (4)
- GEOL 490 Senior Capstone: Geology Field Camp (10)

**Required Supporting Courses (43 credits)**
- CHEM 151 General Chemistry (5)
- CHEM 152 General Chemistry (5)
- GEOL 323 GIS for Environmental Science (3)
- MATH 161 Calculus I (5)
- MATH 162 Calculus II (5)
- or MATH 380 Elementary Probability and Statistics (5)

Choose one of the following sequences
- BIOL 171 Biology I (5)
- BIOL 172 Biology II (5)
- BIOL 173 Biology III (5)
- or
- PHYS 131 Introductory Physics I (4)
- PHYS 132 Introductory Physics II (4)
- PHYS 133 Introductory Physics III (4)
- PHYS 161 Mechanics Lab (1)
- PHYS 162 Heat and Optics Lab (1)
- PHYS 163 Instrumentation Lab I (1)
- or
- PHYS 151 General Physics I (4)
- PHYS 152 General Physics II (4)
- PHYS 153 General Physics III (4)
- PHYS 161 Mechanics Lab (1)
- PHYS 162 Heat and Optics Lab (1)
- PHYS 163 Instrumentation Lab I (1)

**Electives (12 credits)**
Select credits from Geology courses, eight of which must be upper-division.

**Elective credits**

**Minimum total credits for above major**

**MINOR**

**GEOLOGY MINOR (23–24 CREDITS)**

**Required Courses**
- GEOL 120 Physical Geology—The Solid Earth (5)
- GEOL 121 Physical Geology—Surficial Processes (5)
- GEOL 122 Historical Geology (5)
- GEOL 311 Earth Materials (4)
- Geology elective (4–5)

**Total credits for above minor**

23 credits
Geology Courses

GEOL 100 Discovering Geology (5) FWSU
Prerequisites: GEOL 100, FWSU 100 or equivalent. Satisfaction of the GEOR for natural sciences, geology.
Satisfies: GEOR for natural sciences, geology.
This course investigates the interactions between human beings and their geological environment. The earth is a dynamic planet affected by sudden, violent events such as volcanic eruptions, earthquakes and floods, as well as by slower processes operating over long time spans that create, move and destroy continents and oceans. Other topics include study of energy, mineral and water resources and their importance to modern society. Topics are presented at a level intended for non-science majors. Satisfies lab science requirement at most universities.

GEOL 115 Investigating Earth Science (5) FS
Cross-listed: GEOG 115.
Prerequisite: pre-university basic skills in mathematics.
Satisfies: GEOR for natural sciences, geology.
For students planning to teach elementary school. Includes inquiry-based earth science investigations that support science instruction outlined in the National Science Education Standards and Washington Essential Academic Learning Requirements.

GEOL 120 Physical Geology—The Solid Earth (5) F
Prerequisites: MATH 104 or equivalent and restricted to the following: Computer Science (BS only), Earth and Space Science, Environmental Science, Geology or by permission of the instructor.
Satisfies: the completion of GEOL 120 counts as one course for the GEOR in natural sciences, geology; the completion of GEOL 120 and GEOL 122 counts as two courses for the GEOR for natural sciences, geology.
Introduction to physical geology for students interested in Earth and environmental science. This course covers the origin of the earth, its internal structure and minerals, rocks and volcanoes, earthquakes, mountains and continental drift are discussed in the context of plate tectonics. The formation of mineral deposits is also covered. Weekly laboratories and one field trip are required.

GEOL 121 Physical Geology—Surficial Processes (5) FWSU
Prerequisites: computer literacy, MATH 104 or equivalent and restricted to the following: Computer Science (BS only), Earth and Space Science, Environmental Science or Geology or by permission of the instructor.
Satisfies: the completion of GEOL 121 counts as one course for the GEOR in natural sciences, geology; the completion of GEOL 120 and GEOL 121 counts as two courses for the GEOR for natural sciences, geology.
Introduction to physical geology for students majoring in geology, earth science or environmental science. This course emphasizes the quantitative analysis of processes that shape the earth’s surface (gravity, wind, water and ice) including weathering and erosion, the creation of sediments and sedimentary rocks and the development of landforms. Energy resources and the concept of earth systems are also explored. Weekly laboratories and one field trip are required.

GEOL 122 Historical Geology (5) WS
Prerequisite: GEOL 121.
Introduction to earth history for students majoring in geology, earth science or environmental science. This course covers the diversity of life, catastrophic extinctions and the effect of biologic change on the environment. The basic principles of stratigraphy, use of stable isotopes to interpret sedimentary environments and the stratigraphic and tectonic history of the earth are also explored. Other topics include identification of the common fossil groups, survey of the fossil record in the context of geological evolution and practice using geologic maps. Weekly laboratories and one field trip are required.

GEOL 297 Workshops, Short Courses, Conferences (1–5)
At a lower division level.

GEOL 299 Special Studies (1–5) FWSU
Prerequisite: permission of the instructor, department chair and college dean.
Topics vary with interest of student and instructor.

GEOL 311 Earth Materials (4) F
Prerequisites: GEOL 120 or equivalent.
This course is an introduction to the materials that comprise the solid earth, including minerals, igneous, sedimentary and metamorphic rocks. The course includes discussions of their occurrence, associations and uses. Methods of identification are stressed during laboratory exercises.

GEOL 312 Crystallography and Optical Mineralogy (4) W
Prerequisite: GEOL 311.
This second course of a three-course series covers how to describe the external morphology of well-formed crystals using crystallographic techniques. In addition, the techniques of optical mineralogy using a petrographic microscope are introduced as a tool for identifying rock-forming (silicate) minerals.

GEOL 313 Igneous and Metamorphic Petrology (4) S
Prerequisites: GEOL 311 and GEOL 312.
The third course in a series is a comprehensive study of the classification, description and origin of igneous and metamorphic rocks. Students will learn about the use of minerals in helping to interpret the geologic and tectonic significance of the rocks in which they are found. The course builds on skills learned in GEOL 311 and GEOL 312 and stresses hand sample and thin section descriptive techniques. Weekly laboratory exercises as well as one weekend field trip are required. Additional field trips may be offered.

GEOL 320 Environmental Geology (4) W
Prerequisite: GEOL 100, GEOL 120 or GEOL 121.
Relationship of human activities with earth materials and processes, water quality, atmospheric composition, waste disposal, natural resources, the importance of an interdisciplinary approach to environmental problems. Field trips emphasize local environmental problems. Laboratory.

GEOL 338 Discovering Women in Science (1) BRK, CHEM 106, PSY225, PSY538.
The course uses several scientific themes to rediscover from the past and find in contemporary research, the women who have made significant contributions to science.

GEOL 360 Geologic Hazards (4) F
Prerequisites: GEOL 100, GEOL 115, GEOL 120, GEOL 121 or GEOL 100 or GEOG 115.
Introduction to geologic hazards affecting human kind; emphasis on earthquakes, volcanism, floods and landslides. Applications to geological site engineering and city/regional planning.

GEOL 380 World Resources and Population (5) F
Prerequisite: GEOL 100, GEOG 115.
Satisfies: international studies university distribution requirement.
Interaction between population and resource utilization. Renewable and non-renewable energy resources, food and water supply, soil erosion and degradation and deforestation will be related to population growth.

GEOL 390 Earth Science Teaching Methods (1) F
Cross-listed: GEOL 390.
Prerequisite: GEOL 120, GEOG 314, PHYS 121, EDUC 303 or permission of the instructor.
This course is designed for Earth Science majors planning to teach middle school, junior or senior high school. It includes the development of curriculum and the organization of teaching materials, techniques and evaluation.

GEOL 397 Workshops, Short Courses, Conferences (1–5)

GEOL 408 Invertebrate Paleontology (4) FS
Prerequisites: GEOL 121, GEOL 122 or permission of the instructor.
Principles of paleontology including methods of description and analysis of invertebrate fossils. Emphasis on principles of morphology and evolutionary development of invertebrates and the use of invertebrate fossils in biostratigraphy and paleoecology. Laboratory.

GEOL 411 Sedimentology and Stratigraphy (4) F
Prerequisite: GEOL 122, GEOL 311.
Study of the origin of sediments and sedimentary rocks for advanced geology majors. Description and interpretation of facies and environments of deposition and classification of clastic and chemical sedimentary rocks is emphasized. Stratigraphic principles, nomenclature and correlation is also treated. Lecture and weekly laboratory.

GEOL 425 Geology of Eastern Washington (4) S
Prerequisite: GEOL 122 or permission of the instructor.
Study of the local geology in lectures and a series of field trips. Includes field projects and techniques used during geographic mapping. Observing and recording geographic data in the field and presenting it in terms of a written report and a sketch geologic map of a site-specific area.

GEOL 430 Structural Geology I (4) W
Prerequisite: GEOL 411.
Analysis of the kinematics and mechanics of rock deformation and an introduction to geologic structures. Laboratory introduces the solution of structural geology problems, the map-based interpretation of geologic structures and the creation of geologic cross sections. Weekly laboratory exercises. Designed to be taken in series with GEOL 431.

GEOL 431 Structural Geology II (4) S
Prerequisite: GEOL 430.
Continuation of an introduction to geologic structures from GEOL 430 and an exploration of the plate tectonic setting of geologic structures. Introduction to the field study of geologic problems with weekly field trips that emphasize the collection and analysis of geological field data to solve structural problems. Weekly field trips and laboratory exercises required.

GEOL 455 Geology of the Colorado Plateau (4) S
Note: course fee.
Prerequisite: GEOL 100 or permission of the instructor.
This course is a week-long field study of the rocks and landforms of the Colorado Plateau region, specifically in the Arches and Canyonlands National Parks. Geologic evolution and structural geology of the region will be discussed and the ancient sedimentary environments of deposition will be emphasized. A field trip will be held during the week of spring break.
GEOL 462 Principles of Geochemistry (5) W
Prerequisites: GEOL 311, GEOL 312, GEOL 313 or permission of the instructor.
Abundance of elements in the solar system. Origin, chemical evolution and composition of the earth; distribution and migration of chemical elements; differentiation history of the earth into crust, mantle and core. Origin and evolution of the hydrosphere and atmosphere. Chemical processes involved in weathering of rocks, chemical sedimentation and diagenesis.

GEOL 463 Environmental Geochemistry (5) F
Prerequisite: CHEM 152 or permission of the instructor.
Application of principles of geochemistry to environmental problems, including air and water pollution, water-rock interactions, weathering and soil formation, Origin, distribution and transport of inorganic contaminants in air, water, soils, sediments and plants. The behavior of trace elements in near surface environments.

GEOL 466 Isotopic Tracers in the Environment (4) WS
Prerequisites: ≥2.0 in CHEM 153.
This course focuses on the principles and application of radioactive, cosmogenic and stable isotopes as environmental tracers in soil, water, atmosphere and biological materials. Topics include the variations in isotopic composition of natural materials and the processes behind these variations (e.g., fractionation, radioactive decay, mineral dissolution).

GEOL 470 Hydrogeology (4) W
Prerequisites: GEOL 120 or GEOL 121, MATH 142 or permission of the instructor.
Relationship between groundwater and geologic materials, emphasizing quantitative analysis and principles governing groundwater flow. Lecture and weekly lab.

GEOL 475 Engineering Geology: Soils (4) W
Prerequisites: GEOL 313, GEOL 320, GEOL 411 or GEOL 470 or permission of the instructor.
Engineering geology of soil and rock is closely related to geotechnical engineering. It includes the properties of soils and rock units related to hydraulic conductivity, compressibility, consolidation, fractures and stress.

GEOL 485 Geotechnical Engineering of Soils and Foundation (4) S
Prerequisites: GEOL 475.
This course uses the principles of rock and soil mechanics to evaluate the stability of natural and engineered slopes, aid in design of earthworks and foundations, and plan the construction of dams, levees, aqueducts and other waterworks.

GEOL 490 Senior Capstone: Field Camp (10) U
Prerequisites: junior/senior standing and permission of the instructor.
Satisfies: senior capstone university graduation requirement.
The course applies geologic principles to the solution of field problems in the Rocky Mountain fold and thrust belt. This four-week course of study includes geologic mapping, description of stratigraphic relationships, structural analysis, and GPS data collection. Maps, cross sections and a formal report of the field study are required. Location of the camp is Dillon, Montana. Course fee is to be determined.

GEOL 490A Senior Capstone: Water and the West Water Resource Engineering in Arid Lands (4) F
Prerequisite: Permission of the instructor.
This course focuses on the relationships between human activities and water resources in the largely arid western United States. Topics include tectonic and meteorological controls on the distribution and quantity of water, the history of conflict over scarce surface and groundwater resources, and construction dams, aqueducts and other engineered structures to solve water scarcity problems. Case studies involve examples from the western United States and other countries including dry-land irrigation in Israel, dam building in Egypt and China, and fishery loss in Mexico.

GEOL 491 Senior Thesis (4)
Prerequisites: senior standing and permission of the instructor.
Satisfies: senior capstone university graduation requirement.
Directed research on a geological problem and organization of the results for oral and written presentation. End of program assessment will be required. May be used to fulfill the Senior Capstone requirement.

GEOL 495 Practicum (1–5) FWSU
Prerequisite: permission of the instructor, department chair and college dean.
Participation in supervised experiences involving acquisition of data or applications of knowledge to help solve geologic problems. Credits earned in this course are not applicable to degree requirements.

GEOL 496 Experimental Courses (1–5)

GEOL 497 Workshops, Short Courses, Conferences (1–5)

GEOL 498 Seminars (1–5)

GEOL 499 Directed Study (1–5) FWSU
Note: may be repeated for a total of 15 credits if a different study is undertaken each time.
Prerequisite: permission of the instructor, department chair and college dean.
Seminar in a selected field of geology to suit a student’s field of interest.
UNDERGRADUATE PROGRAMS

The Department of Government and the International Affairs Program offer courses focusing largely on the study of political science, a liberal arts discipline which seeks to understand the political condition and potential of humanity. Each of the department’s three degree programs is designed to provide the student with a broad understanding of political phenomena suitable to a liberal arts degree. Thus each, regardless of its specific content, requires courses in political philosophy, in American political institutions and processes and in comparative and/or international politics. In addition, the pre-law program is designed to prepare the student for a particular vocational goal. The department’s International Affairs Program provides a more interdisciplinary approach to the study of government and politics. The discipline of Political Science—and therefore the program of the Department of Government—is strongly committed to a liberal arts orientation. In concert with the rest of the university the department believes also in linking traditional liberal arts preparation with meaningful career preparation through the inclusion of minor and supporting coursework and/or through student involvement in certificate programs in this or other departments. Employment opportunities for graduates are many and varied. A number of those who graduate each year continue their studies in law or other professional and graduate programs. A similar number find employment in the public sector or with domestic or international business firms. Opportunities also exist in party politics, campaign organizations, the military forces or with the communications media.

The department maintains close relations with the programs in Criminal Justice and contains the International Affairs program. In each, selected government courses are required parts of the core curriculum.

Internship and Work-Study Programs for Students

The department maintains a dynamic internship program which provides practical experience with local political and governmental agencies and annually sponsors a winter quarter in Olympia in which selected students intern with the Washington State Legislature. When possible, it is strongly urged that students include an internship as a part of their program.

In addition to external internships, students may gain practical experience through a combination of work/study and internship with a particular faculty member. Students qualifying for such programs assist the professor to whom they are assigned with research work in an area of the faculty member’s interest. The department has an active faculty with diverse research interests who have produced books and monographs, presented papers at conventions of national and regional Political Science associations and of other, more specialized scholarly organizations and completed research grants funded by agencies of the government. The opportunity to assist in such work is of value particularly to those students planning to continue their studies, or to work in the public sector in areas necessitating faculty guidance in research techniques.

Pi Sigma Alpha

In the spring of 1982, the Nu Gamma Chapter of Pi Sigma Alpha, the National Political Science Honorary Society, was chartered at Eastern. This student organization serves as a vehicle for recognition of outstanding academic achievement in government and complements the department’s participation in the university Honors Program. Pi Sigma Alpha sponsors a number of social and intellectual programs for students and faculty and with its help the department attempts to maintain contact with its graduates to make available to students their experiences and insights into the value of an education in government.

General Admissions Requirements for Government

Successful completion of ENGL 101 or its equivalent is required of all majors in Government; successful completion of a 200-level English course is strongly recommended for all majors in government. Course offerings at the 300–400 level are designed to provide maximum flexibility for faculty and students. Prerequisite courses are required for 300 and 400 level courses and students should consult an advisor to ensure that their course selections are appropriate.

Required courses in the following programs of study may have prerequisites. Reference the course description section for clarification.

BACHELOR OF ARTS (BA)

Student Learning Outcomes—students will: (SLOs are the same for the 57 and 72 credit majors and 82 credit pre-law option)

• demonstrate basic knowledge, skills and values related to various forms and structure in governments and relate those specifics to political and policy outcomes as necessary for responsible and active participation as both national and international citizens;
• effectively apply critical thinking and problem solving skills to political issues and should be able to utilize normative and empirical analysis tools in the study of national and international political realities;
• be able to apply an understanding of foundational and enduring political thought and ideas throughout history to questions of politics and policy at the national and international levels;
• demonstrate an awareness of the role played by race, ethnicity, gender and religion in historic and contemporary political debates and an awareness of effects of multiculturalism and diversity on domestic and international affairs;
• possess effective communication skills including the verbal and writing skills needed to communicate clearly and effectively, make persuasive, professional presentations and convey information essential to the discipline and beyond in an orderly and understandable manner;
• demonstrate analytical and conceptual skills, reading skills, critical thinking and problem solving skills and be able to effectively apply those skill sets to political issues.

GOVERNMENT MAJOR (57 CREDITS)

The 57-credit major is designed for the student with a strong interest in the political realm who wishes to combine such interest with study of another major or minor field. The 72-credit major is designed for those with a more concentrated interest in government who do not wish to complete a structured minor or who may be interested in graduate study in political science. The 82-credit Pre-law Option within the 72-credit major is designed for students interested in law school or work as a paralegal.

Note: two years of a single high school foreign language or one year of a single college level foreign language is required.

Note: this option requires a separate minor or GOVT/CSBS approved certificate program for completion.

Required Introductory Courses (15 Credits)

GOVT 100 Modern Government in American Context (5)
GOVT 202 Introduction to Political Theory (5)
GOVT 203 Introduction to Comparative Politics (5)
or GOVT 204 Introduction to International Politics (5)

Disciplinary Core (30 Credits)

Choose two different courses from each of the three subfields.

Required Senior Level Courses— 400 Level Requirements (12 Credits)

GOVT 490 Senior Capstone: Globalization (5)
GOVT 493 Portfolio Assessment (2)
Choose one additional 400 level course below GOVT 470 (5)

Required Introductory Courses

Disciplinary core credits

Senior level credits

Total credits for above major

57 credits
GOVERNMENT MAJOR (72 CREDITS)

Note: two years of a single high school foreign language or one year of a single college level foreign language is required.

Required Introductory Courses (20 Credits)
GOVT 100 Modern Government in American Context (5)
GOVT 202 Introduction to Political Theory (5)
GOVT 203 Introduction to Comparative Politics (5)
GOVT 204 Introduction to International Politics (5)

Disciplinary Core (25 Credits)
GOVT 300 U.S. Judicial Process (5)
GOVT 313 Ancient and Medieval Political Thought (5)
or GOVT 314 Modern Political Thought (5)
GOVT 320 International Systems (5)
GOVT 352 The U.S. Presidency (5)
GOVT 335 U.S. Congress (5)

Required Senior Level Courses (7 credits)
GOVT 400 Senior Capstone: Globalization (5)
GOVT 493 Portfolio Assessment (2)

Elective Requirements (20 Credits)
Choose two 300 level courses from two subfields (10)
Choose two 400 level courses below GOVT 470 from two subfields (10)

Required introductory credits 20 credits
Required disciplinary core credits 25 credits
Required senior level credits 7 credits
Elective credits 20 credits
Total required credits for above program 72 credits

PRE-LAW OPTION (82 CREDITS)

Students must complete the required introductory courses, the disciplinary core, the elective requirements, and the required senior level courses.

Required Introductory Courses (20 Credits)
GOVT 100 Modern Government in American Context (5)
GOVT 202 Introduction to Political Theory (5)
GOVT 203 Introduction to Comparative Politics (5)
GOVT 204 Introduction to International Politics (5)

Disciplinary Core (25 Credits)
GOVT 300 U.S. Judicial Process (5)
GOVT 313 Ancient and Medieval Political Thought (5)
or GOVT 314 Modern Political Thought (5)
GOVT 320 International Systems (5)
GOVT 335 U.S. Congress (5)

Required Senior Level Courses (7 credits)
GOVT 400 Senior Capstone: Globalization (5)
GOVT 493 Portfolio Assessment (2)

Elective Requirements (30 Credits)
Choose two 300 level courses from two subfields (10)
Choose two 300 level courses from the American Government subfield (10)
Choose two 400 level courses below GOVT 495 from two subfields (10)

Required introductory credits 20 credits
Required disciplinary core credits 25 credits
Required senior level credits 7 credits
Elective credits 30 credits
Total required credits for above program 82 credits

Subfield Distribution Lists

Political Philosophy
GOVT 305 Jurisprudence (5)
GOVT 313 Ancient and Medieval Political Thought (5)
GOVT 314 Modern Western Political Thought (5)
GOVT 337 American Political Thought (5)
GOVT 338 Marx and Marxism (5)
GOVT 339 Nations, Nationalism and Patriotism (5)
GOVT 401 Topics in Political Theory (5)

American Government and Politics
GOVT 360 U.S. Judicial Process (5)
GOVT 362 Criminal Procedure (5)
GOVT 364 U.S. Civil Rights and Liberties (5)
GOVT 365 Jurisprudence (5)
GOVT 366 Basic Concepts of Criminal Law (5)
GOVT 367 U.S. Constitutional System (5)
GOVT 368 American Political Thought (5)
GOVT 370 Federalism, State and Local Politics (5)
GOVT 372 The U.S. Presidency (5)
GOVT 373 Public Management (5)
GOVT 375 U.S. Congress (5)
GOVT 376 U.S. Political Parties and Elections (5)
GOVT 377 State Legislative Politics Experience (5)
GOVT 378 Mock Trial I (5)
GOVT 400 Topics in American Politics (5)
GOVT 470 Mock Trial II (5)

International Relations/Comparative Politics
GOVT 320 International Systems (5)
GOVT 321 International Organizations (5)
GOVT 322 International Political Economy (5)
GOVT 323 U.S. Foreign Policy (5)
GOVT 324 Comparative and International Water Policy
GOVT 325 European Politics (5)
GOVT 327 Politics of Developing Nations (5)
GOVT 328 Politics of the People’s Republic of China (5)
GOVT 329 Politics of South Asia (5)
GOVT 402 Topics in International Relations and Comparative Politics (5)
Certiﬁcate
Student Learning Outcomes—students will:

• demonstrate awareness of historical, social, cultural, geographic and political dynamics in Asia and Asian countries;
• apply normative and empirical tools to the study of Asian political, cultural and governmental realities, both past and present;
• apply knowledge of Asian history to interpret current political, social and cultural dynamics in Asia and in comparison to other world regions;
• acquire basic communication skills in at least one Asian language;
• attain advanced understanding of Asia sufﬁcient to enter graduate studies concerning the region, or a career track wherein expertise in Asia is necessary.

Asia Studies Certiﬁcate (34 Credits)
Interest in Asia and Asian Studies has increased dramatically in recent years. For some, Asia represents opportunity for business, trade and commercial exchange as one of the new and vast marketplaces of the 21st century. For others, Asia is a place where remarkable expressions of traditional culture such as religion, poetry and art have stayed alive even into the 21st century. Located in the Paciﬁc Northwest, Washington state is a gateway to the East and offers an ideal setting to learn about the interactions between Asia and the rest of the world. This Asia Studies Certiﬁcate offers students the opportunity for a highly specialized and integrative look at trans-regional and international issues related to Asia focusing on the culture, history, politics and languages of the region.

Acceptance to the certiﬁcate program requires that the student have at least a 3.0 cumulative grade point average in all courses at EWU and the approval of the certiﬁcate coordinator. In no course required for the certiﬁcate can the student receive below a 3.0 and all courses within the certiﬁcate must have a 3.3 minimum cumulative grade point average.

All required courses for the certiﬁcate other than the language requirement must be completed at EWU. Transfer credits other than language credits will not be accepted for certiﬁcate completion.

Completion of this certiﬁcate will also satisfy the minor requirement for students completing majors where a minor is required.

Required Certiﬁcate Courses
1. Language requirement: 10 credits of a relevant language. This may be met with credits from outside of EWU.
2. Choose two courses from two of the areas and one course from the third:
   • Economics
   • History
   • Government
3. All students must complete the 1 credit assessment course. (GOVT 493)
4. All course selections must be approved by the certiﬁcate coordinator.

Note: *other courses may be substituted as electives if selected in consultation with and approved by the certiﬁcate coordinator.

Government
GOVT 322 International Political Economy (5)
GOVT 327 Politics of Developing Nations (5)
GOVT 328 Politics of the People’s Republic of China (5)
GOVT 329 Politics of South Asia (5)
INST 380 Japan Today (4)

History
HIST 310 Imperial China (5)
HIST 313 Colonialism and Nationalism in Southeast Asia (5)
HIST 410 China in the 19th and 20th Centuries (5)
HIST 411 Democracy and Human Rights in Asia (5)
HIST 416 Modern Japan (5)

Anthropology/Geography
ANTH 349 Major Civilizations of Asia (5)
GEOG 333 Geography of Monsoon Asia (4)
GEOG 335 The Geography of the Paciﬁc Rim (4)

Directed Study Assessment
GOVT 493 Portfolio Assessment (1)

Required language credits 10 credits
Area course credits 23–25 credits
Assessment course 1 credit
Minimum total required credits for certiﬁcate 34 credits

Certiﬁcate
Student Learning Outcomes—students will:

• acquire an understanding of the institutional, political, legal and economic processes of the United States;
• acquire an understanding of the public policies of the U.S. and the ways in which they are created by and carried out through political and economic processes;
• demonstrate an ability to analyze political and economic phenomena through oral and written communication skills in public presentations, written reports and documents.

Public Policy and Administration Certiﬁcate (44 Credits)
The Certiﬁcate in Policy Administration is intended for students who are interested in pursuing a graduate level education in an applied ﬁeld. Completion of the 44 credit certiﬁcate provides a sharply focused view of policy implementation and application within the American system of government. In addition, the certiﬁcate provides students the opportunity to receive advanced placement standing within EWU’s Master’s Program in Public Administration. Students who complete the certiﬁcate will be required to take 36 credits of MPA core courses instead of the normally required 40 and will be required to complete 10 elective credits, rather than the usually required 20. Acceptance to the certiﬁcate program requires that the student have at least a 3.0 cumulative grade point average in all courses at EWU and the approval of the certiﬁcate coordinator. In no course required for the certiﬁcate can the student receive below a 3.0 and all courses within the certiﬁcate must have a 3.3 minimum cumulative grade point average.

All required courses for the certiﬁcate must be completed at EWU, transfer credits will not be accepted for certiﬁcate completion.

Completion of this certiﬁcate will also satisfy the minor requirement for students completing majors where a minor is required.

Government Requirements (15 credits)
GOVT 330 Federalism, State and Local Politics (5)
GOVT 332 The U.S. Presidency (5)
GOVT 333 Public Management (5)

Statistics Requirement (5 credits)
(meets MPA statistics background requirement)
CSBS 320 Introductory Statistics for the Social Sciences (5)
or MATH 380 Elementary Probability and Statistics (5)

English Requirement (5 credits)
TCOM 205 Introduction to Technical Communication (5)

Economics Requirement (10 credits)
ECON 200 Introduction to Microeconomics (5)
ECON 450 Public Finance and Public Policy (5)

One of the following (5 credits)
ECON 452 Health Economics (5)
ECON 457 Natural Resource Economics (5)
ECON 458 Regional Economics (5)
ECON 470 International Economics (5)

Exit Synthesis Requirement (4 credits)
PADM 507 Public Policy Analysis (4)

Required government credits 15 credits
Required statistics credits 5 credits
Required English credits 5 credits
Required economics credits 15 credits
Required exit synthesis credits 4 credits
Total credits for above certiﬁcate 44 credits
(to qualify for the Advanced Standing MPA Program)
GOVERNMENT

MINOR

GOVERNMENT MINOR (25 CREDITS)

Required Courses (15 credits)
GOVT 100 Modern Government in American Context (5)
GOVT 202 Introduction to Political Theory (5)
GOVT 203 Introduction to Comparative Politics (5)
or GOVT 204 Introduction to International Politics (5)

Electives (10 credits)
Select two courses from the 300–400 level below 470 (excluding GOVT 370 but may include GOVT 490).

Required program credits: 15 credits
Elective credits: 10 credits
Required credits for above minor: 25 credits

Government Courses

Terms offered: fall, winter, spring, summer (FWSU).
If no terms are indicated, check with the department or EagleNET.

GOVT 100 Modern Government in American Context (5)
Satisfies: GECS for social sciences, list I, economics and government.
A general introduction to the concepts, methods and concerns involved in the study of government, this course discusses fundamental ideas such as power, ideology and constitutionalism; the citizen role in democratic politics; the structure and processes of major governmental institutions; and selected areas of policy making. Emphasizes the comparison of the American political system with that of other major, chiefly democratic, systems.

GOVT 202 Introduction to Political Theory (5)
This course is an introduction to major thinkers and ideas within the tradition of Western political thought. Authors may include Plato, Aristotle, Machiavelli, Hobbes, Locke and Rousseau. Themes discussed include power, human nature, rights, political legitimacy and the ideal form of government. The course is also a primer on how to think and write theoretically. Through the essay composition process, students will refine their critical thinking skills and their ability to construct arguments of their own.

GOVT 203 Introduction to Comparative Politics (5)
Satisfies: international studies university graduation requirement.
An introduction to concepts, such as state, power, ideology and political phenomena, emphasizing similarities and differences in selected political systems.

GOVT 204 Introduction to International Politics (5)
Satisfies: international studies university graduation requirement.
A basic introduction to the nature of politics in the international arena, with special attention to the instruments of national power, diplomacy, international law and the role of various international organizations and alliance systems.

GOVT 299 Special Studies (1–5)
Prerequisite: permission of the instructor, department chair and college dean.
Subjects studied vary according to faculty and student interest.

GOVT 300 U.S. Judicial Process (5)
Prerequisite: GOVT 100.
This course examines the relationship of judicial behavior to structure, politics and the behavior of other actors in the judicial process. This includes examination of judicial processes from the trial court level through the Supreme Court of the United States.

GOVT 302 Criminal Procedure (5)
This course is an examination of the philosophic and legal bases for protection of the rights of the criminally accused, with emphasis on Supreme Court decisions on the fourth, fifth and sixth Amendments and on the due process clause of the 14th Amendment.

GOVT 304 U.S. Civil Rights and Liberties (5)
Prerequisite: GOVT 100.
This course examines the history and development of civil rights and liberties in the constitutional context of the United States. It emphasizes the problems of racial, religious, economic, political and sexual discrimination and their remedies under the law.
GOVT 305 Jurisprudence (5)  
Prerequisites: GOVT 100 and GOVT 202.  
This course explores the philosophical underpinnings of the idea of law by examining the evolution of legal thought from Natural Law thinkers through Postmodern conceptions of legal reasoning. It includes consideration of the purposes of the criminal law, the basic concepts utilized to define criminal offenses, defenses to criminal charges and examination of selected substantive offenses; e.g., assault, homicide, larceny.

GOVT 307 U.S. Constitutional System (5)  
Prerequisites: GOVT 100 and GOVT 300.  
This course examines the principal structural features of the U.S. governmental system, primarily through the study of decisions of the United States Supreme Court. Particular attention is paid to the structural realities of separation of powers and federalism and to the development of the specific powers of the national government in the light of the powers retained by the states.

GOVT 313 Ancient and Medieval Political Thought (5)  
Prerequisites: GOVT 201.  
This course engages thinkers and themes from the political theory of ancient Greece. Authors read include the pre-Socratics, Plato, Aristotle, and Seneca, among others. Questions concerning the nature of political life, the ideal political order, the definition of justice and virtue, and classical conceptions of knowledge, among others, will be pursued in detail. In addition to comparing various authors on these questions, students will spend some time considering the relationship between ancient views and more contemporary attitudes.

GOVT 314 Modern Western Political Thought (5)  
Prerequisites: GOVT 202.  
This course is a detailed encounter with various thinkers of the Western political theoretical tradition, including Machiavelli, Hobbes, Locke, Rousseau, and John Stuart Mill, among others. Ideas discussed include human nature, the rise of the modern state, the role of the individual and the people, the role of law, and the origins and nature of political power.

GOVT 317 American Political Thought (5)  
Prerequisites: GOVT 100 and GOVT 202.  
This course examines the major works which have influenced the political debate and the creation of institutions in the United States. Emphasis will be on America’s liberal tradition and those values which are in competition with the liberal philosophy in the United States. Other topics in the tradition of American political thought include democracy, liberty, individualism, localism and equality.

GOVT 318 Marx and Marxism (5)  
Prerequisites: GOVT 202 and GOVT 203.  
This detailed examination of the political, economic and social theory of Karl Marx begins with a discussion of the ideas of G. W. F. Hegel, perhaps the most important European philosopher of the 19th century and a major influence on Marx’s thinking. Students subsequently read a large number of primary texts by Marx himself with excerpts from the writings of Vladimir Lenin, the protagonist of the 1917 Russian Revolution.

GOVT 319 Nations, Nationalism and Patriotism (5)  
Prerequisites: GOVT 201 and GOVT 202.  
This course is a detailed inquiry into nations, nationalism and patriotism, with specific emphasis on the United States. Authors read include Benjamin Franklin, George Washington, David Hume, John Locke, and David Campbell, among others. Topics explored include the conceptual predicates upon which nations depend, the idea of citizenship, violence and warfare, national identity, manifest destiny and more.

GOVT 320 International Systems (5)  
Prerequisites: GOVT 203 or GOVT 204.  
This course is a focused study of contemporary international systems and their role in world politics. The core course covers the evolution of the modern state and the unity of global power and the major developments that have shaped the world political system. The course introduces students to the development of the modern state and its role in shaping global, national and state-society relations, the course also addresses other organizations such as the World Bank, the International Monetary Fund, and the World Trade Organization, as well as non-governmental organizations (NGOs).

GOVT 321 International Organizations (5)  
Prerequisites: GOVT 203 or GOVT 204 or permission of instructor.  
This course is an in-depth study of contemporary international organizations and their role in world politics. The course covers the history, structures and processes of international organizations within the world community. Focusing primarily on the United Nations system and its role in shaping global, national, group and state-society relations, the course also addresses other organizations such as the European Union and the World Trade Organization, as well as non-governmental organizations (NGOs).

GOVT 322 International Political Economy (5)  
Prerequisites: GOVT 203 or GOVT 204.  
This course examines international economic systems and their relation to world political realities. Students will examine theories of state political-economic relations and the history of international efforts to manage trade, monetary and financial systems by applying theories to contemporary global political economics, such as North-South issues and the political economy of oil and war.

GOVT 323 U.S. Foreign Policy (5)  
Prerequisites: GOVT 203 or GOVT 204.  
This course examines the seminal cases in U.S. foreign policy formulation since WWI with particular emphasis on the bureaucratic factors that shape foreign policy decisions.

GOVT 324 Comparative and International Water Policy (5)  
Satisfies: international studies university graduation requirement.  
If the 20th century was all about oil, the 21st century is about water. Issues that include privatization, water markets, transboundary conflicts, loss of indigenous water rights and water governance, dams and river basin management, and a host of habitat and water quality issues dominate contemporary water policy in the United States and international arenas. Knowing the issues and the policies that guide the distribution of water will form the basis of the course. Case studies will include privatization in Chile; the upcoming Columbia River Treaty and indigenous claims on the river and its tributaries; treaty negotiations over the Nile and Indus Rivers; the loss of fish species, such as the salmon; and the water quality and regional impacts of several major river basins. The interdisciplinary tools for studying these issues will include political science, law, geography, history and natural resource economics.

GOVT 326 European Politics (5)  
Prerequisites: GOVT 203 or GOVT 204.  
Satisfies: International and Interdisciplinary requirements.

GOVT 327 Politics of Developing Nations (5)  
Prerequisites: GOVT 203 or GOVT 204.  
This course examines the problems that attend political development in developing nations emphasizing the dilemmas of political development in traditional and transitional societies. Special emphasis is placed on nation-building; economic and social change; ideologies and political development; and elites, political parties, military and bureaucratic power.

GOVT 328 Politics of the People’s Republic of China (5)  
Prerequisites: GOVT 203 or GOVT 204.  
This in-depth study of the modern political history and contemporary political system of China includes the fall of imperial China; the origins, development and victory of the Chinese Communist revolution; the rule and legacy of Chairman Mao Zedong; particularly the Great Leap Forward and the Cultural Revolution; economic reform, governance and political repression (especially the Tiananmen crisis) in the era of Deng Xiaoping; and current Chinese politics in the post-Deng China. The course focuses on China’s domestic politics as well as China’s position in the region and its role in the world.

GOVT 329 Politics of South Asia (5)  
Prerequisites: GOVT 203 or GOVT 204 or permission of instructor.  
This course examines the complex and dynamic regions of South Asia. Constituting nearly a fourth of all humanity and hosting almost half of the world’s poor, the subcontinent is a region where religious, geographies and culture intertwine. The course introduces students to the political evolution of the region and to the major scholarly debates on the countries of India, Pakistan, Sri Lanka, Bangladesh and Nepal. Particular emphasis is placed on colonial legacies, nationalism and histories of state formation as well as political institutions and their evolution. Other topics may include democracy and dictatorship, socio-cultural diversity and ethnic conflicts, regionalism, communalism and linguistic politics, development and security concerns.

GOVT 330 Federalism, State and Local Politics (5)  
Prerequisites: GOVT 100.  
This course examines the history and functioning of the U.S. federal system of government. Emphasis is placed on the structure of the system as well as the interrelationships that exist. State and local governments are examined and emphasis is placed on policy formation, dispersion and implementation as well as the consequences of these policies.

GOVT 332 The U.S. Presidency (5)  
Prerequisites: GOVT 100.  
This course examines the role of the President in the government of the United States and in international relations. It considers the dynamics of presidential power in the U.S. government as well as relations between the President and other branches of government as well as with the people.
GOVT 333 Public Management (5)
Prerequisites: GOVT 100.
The course covers the fundamental concepts, approaches and leading theories of policy analysis. From a linear conception of policy making to a more complex understanding of policy, this course provides both critical and practical understanding of public policy issues, including those in the realm of social welfare, health, energy, environment, food and agriculture, and national and global security. The course content encompasses the development, formulation, implementation and evaluation of policy. While dealing with substantive sectors and institutional aspects of public policy analysis the course also includes consideration of the complex interplay of power, knowledge and agency in the making of policy.

GOVT 335 U.S. Congress (5)
Prerequisites: GOVT 100.
This course examines the role of representative governance in the United States by exploring the theoretical underpinnings of the U.S. Congress as created by the Founders, as well as its functions and how those have evolved. It also studies relations between the Congresses and the other branches and how members of Congress interact, both institutionally and individually.

GOVT 336 U.S. Political Parties and Elections (5)
Prerequisite: GOVT 100.
This course examines two of the ways that people can affect the political system, by voting and joining political parties, and it considers ways to link those through political campaigns. It will analyze how economic and social systems and explore the functions of modern U.S. political parties. Students will explore how and why people vote, the nature of modern elections and the evolution of campaigns in the United States.

GOVT 350 Contemporary Political Problems (1–5)
Cross-listed: may be cross-listed with CHST 320.
A topical course designed to accommodate the interest of the general student and the department faculty. Topics vary from quarter to quarter and are listed on EagleNET. Recent offerings include Latin American Politics and International Security. Analysis of contemporary problems may be under the guidance of one or more department members.

GOVT 360 State Legislative Politics Experience (5)
Prerequisite: permission of the instructor.
This course is designed to be a guided field experience with students in Olympia during the winter legislative session. It will connect the practical experiences students receive while interning in the Washington State Legislature with theoretical models of legislative behavior and case studies of legislative action. Course requires instructor approval and acceptance into the Washington State Legislative Internship Program.

GOVT 370 Mock Trial I (5)
Prerequisite: permission of instructor.
Mock Trial I exposes students to courtroom procedures in civil or criminal cases, studying a trial as one form of dispute resolution. Working in teams, students receive a fictional legal case and prepare and argue both sides of that case by applying rules of evidence in a simulated courtroom. Students play the roles of attorneys and witnesses as they prepare and present their case to a panel of judges. GOVT 370 focuses on the basics of preparing and building a fictional legal case and introduces students to trial advocacy.

GOVT 397 Workshop in Government (1–5)
Specialized offerings in a workshop-type situation of materials emphasizing current topics and problems in the political arena.

GOVT 400 Topics in American Politics (5)
An intensive examination of selected questions in the arena of American political institutions, processes and public policy. Topics vary from quarter to quarter and include executive reorganization, congressional reform, politics and the press, post-partisan politics and various policy impact studies that cover the values of individual choice and problems of political economy.

GOVT 401 Topics in Political Theory (5)
Prerequisites: GOVT 202.
Each of the topics chosen for this course explores in some depth the fundamental relationship between such common political phenomena as legitimacy, consent, freedom, law, authority, etc. The course is structured so that even when the particular topic is quite narrow, its development touches on the major nodes in the web of relationships these phenomena have with one another.

GOVT 402 Topics in International Relations and Comparative Politics (5)
Prerequisites: GOVT 203 or GOVT 204.
The topic of this course varies from quarter to quarter, depending on student and faculty interest. Topics in the past have included international law, international organizations (especially the European Union), problems of the international political system, comparative analysis of West European gender regimes, causes of political change and political stability, modernization and political development, causes and results of revolutions, the impact of social forces on the political system. The course may cover other topics as faculty and student interests change.

GOVT 421 Federal Indian Law and Policy I (5)
Cross-listed: IDST 421.
This is the first course in a two course series on federal Indian law and policy. Federal Indian law is the body of law that regulates the relationship between Indian tribes and the United States. Federal Indian policy consists of the various doctrines underlying federal legislative and executive actions affecting Indian tribes. This course will introduce students to laws, regulations and case law that comprise federal Indian law as well as the policies underlying those laws. Topics will be further explored through the use of case studies.

GOVT 422 Federal Indian Law and Policy II (5)
Cross-listed: IDST 422.
This course is a continuation of IDST 421. Topics covered include Modern Trust Doctrine, the Federal-Tribal Relationship, congressional plenary power, tribal land and sovereignty issues and tribal justice systems. These topics are explored through the use of case studies.

GOVT 470 Mock Trial II (5)
Prerequisite: GOVT 370 or permission of instructor.
Mock Trial II exposes students to more advanced courtroom procedures in civil or criminal cases. Working in teams, students work with a fictional legal case to prepare and argue both sides by applying rules of evidence in a simulated courtroom. Students play the roles of attorneys and witnesses as they prepare and present their case to a panel of judges at local and regional competitions. Students may also engage in negotiation competitions as an alternate form of dispute resolution. This course follows GOVT 370 with more emphasis on conducting competitive mock trials.

GOVT 490 Senior Capstone: Globalization (5)
Cross-listed: INST 490.
Prerequisites: GOVT 204 and senior standing; or permission of instructor.
Satisfies: senior capstone university graduation requirement.
This course is a senior-level seminar designed to integrate and further refine the analytical, writing and presentation skills acquired as a Government or International Affairs major. Its premise is that any student of politics or international affairs should graduate a bachelor’s degree program with a refined sensibility of the concept (and varying realities) of globalization. The course covers case studies and theoretical analyses of the global dynamics of economic, cultural, religious, media and political relations as well as the influence of technology on globalization. Students prepare and present an original, extensive case study and analysis of globalization processes, if possible relating to the student’s work as an International Affairs or Government major.

GOVT 493 Portfolio Assessment (1–2)
Prerequisite: permission of the instructor, department chair and college dean.
Guided field experience designed to acquaint you with the formation and instrumentation of public policy; involves actual work with a political party, interest group, legislative body or administrative agency.

GOVT 498 Seminar (1–5)
Prerequisite: permission of instructor.
An in-depth analysis of particular political phenomena, with emphasis on student research. Usually offered on an interdisciplinary basis in cooperation with other departments offering similar courses.

GOVT 499 Directed Study (1–15)
Prerequisite: permission of the instructor, department chair and college dean.
Projects in selected fields of government.
Health Services Administration

The Health Services Administration Program is offered by the College of Business and Public Administration. The undergraduate program is certified nationally by the Association of University Programs in Health Administration. This Interdisciplinary program is designed for students interested in a variety of careers in the field of health services administration. Students are prepared for positions in health clinics, hospitals, long term care facilities, health maintenance organizations, health insurance companies, home health agencies, mental health agencies, physician practices, health departments, various regulatory agencies and community-based agencies among others. Responsibilities carried out by health managers/administrators include: budgeting/financial management, planning, human resource management, information technology, economics and business administration.

The required courses are in the areas of health services administration, business, health and economics. In addition, the program requires that the student complete a track or a minor in a specific sub-specialty. Examples of tracks include: aging, planning, human resource management, information technology, economics and business administration.

Students must have approval of the program advisor for track or minor chosen and courses selected. HSAD students must maintain a cumulative GPA ≥3.0 for all HSAD classes and no more than two course grades may be <3.0. Students earning three or more grades of <3.0 in HSAD courses will be dismissed from the program. All other major requirements must be completed with a ≥2.0. The culmination of the student’s experience in the program will be an internship in a health care setting. To qualify for the internship, the student must have at least a grade point average ≥3.0 in HSAD classes plus permission from the department. Please note that MATH 200 is a prerequisite for some of the courses in the HSAD major.

Students in the Health Services Administration Program must have an overall cumulative grade point average ≥2.25. Also, students must complete one year of a foreign language, such as Spanish or sign language in college or two years of a single foreign language in high school.

Upon acceptance to the program students must complete at least 92 credit hours. Students choosing to minor in health services must complete 20 credit hours. Courses are offered on an every other year basis and students should check with the program director and class schedule each quarter.

Professional Membership Requirements
Every student graduating in Health Services Administration must be a student member of a professional organization at least by their senior year.

Work Experience Requirements
It is strongly advised that all students seek as much practical experience as possible, whether voluntary or paid. Students are urged to consult with their advisors in order to plan their program.

Required courses in the following programs of study may have prerequisites. Reference the course description section for clarification.

BACHELOR OF ARTS (BA)

Student Learning Outcomes—students will:

- demonstrate effective written, oral and presentation communication skills in healthcare settings;
- apply the five core healthcare competencies in healthcare settings;
- problem solve in a variety of situations in healthcare settings;
- manage projects utilizing the five core healthcare competency areas;
- integrate the five core healthcare competencies in an internship in a healthcare setting.

HEALTH SERVICES ADMINISTRATION MAJOR (95 CREDITS)

Student Learning Outcomes—students will:

Definition of the five core healthcare competency areas: HSAD students will focus on five core healthcare competency areas—communication and relationship management, professionalism, leadership, knowledge of the healthcare environment and business skills and knowledge.

Required Courses (87 credits)

<table>
<thead>
<tr>
<th>Course Code</th>
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<tr>
<td>HSAD 300</td>
<td>Health Care Organization and Administration</td>
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<td>HSAD 315</td>
<td>Seminar on Professional Development</td>
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<tr>
<td>HSAD 410</td>
<td>Health Law, Regulation and Ethics</td>
<td>4</td>
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<tr>
<td>HSAD 445</td>
<td>Population Health Management</td>
<td>4</td>
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<tr>
<td>HSAD 490</td>
<td>Senior Capstone: The Impact of Culture, Gender and Race on Health</td>
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</tr>
</tbody>
</table>

Track or Minor (8 credits minimum)

Courses to be selected with approval of Health Services Administration Advisor.

Required program credits 87 credits

Track or minor credits 8 credits

Minimum total credits for above major 95 credits

BACHELOR OF SCIENCE (BS)

Student Learning Outcomes—students will:

- demonstrate effective written and oral communication skills;
- understand health care administration;
- understand business domain knowledge, such as accounting, finance, marketing, human resource management, logistics and supply chain;
- acquire MIS technical skills, including programming principles, database principles, networking and data communications;
- demonstrate problem-solving abilities by applying MIS technical skills, including business application program design and business database design;
- demonstrate MIS and HSAD project development skills through system analysis and design;
- demonstrate HI project management skills and team skills.
HEALTH INFORMATICS TECHNOLOGY AND MANAGEMENT (97 CREDITS)

The Health Informatics Technology and Management Bachelor of Science degree has been created as an interdisciplinary offering. Students admitted to the program would study a curriculum that blends three disciplines: health services administration, management information systems and computer science. The program is designed to prepare students as health information technology professionals to manage and use health information and emerging electronic information technologies in the healthcare industry. Graduates will be prepared to participate in the design of data schemas for health information systems, in the definition and analysis of requirements for health information systems, in the design, deployment and querying of reporting systems via both direct query and reporting tools for use in administrative, clinical and support areas.

Any EWU student who has completed or nearly completed the prerequisite courses may declare a major in HITM. HITM students must maintain a cumulative GPA ≥3.0 for all HGSD, CSCD and MISC classes. No more than two courses in HGSD, CSCD and MISC classes may be <3.0. Students earning three or more grades <3.0 in HGSD, CSCD and MISC will be dismissed from the program. The culmination of the student's experience in the program will be an internship in a healthcare setting. Students in the HITM program must have an overall cumulative grade point average ≥2.25. MATH 200 is highly recommended before taking business classes.

Professional Membership Requirements

Every student graduating in the Health Informatics Technology and Management must be a student member of a national professional organization for the discipline at least by their senior year.

Work Experience Requirement

It is strongly advised that all students seek as much practical experience as possible, whether paid or volunteer. Students are urged to consult with their advisors in order to plan their program.

Required Courses (96–97 credits)

- ACCT 251 Principles of Financial Accounting (5)
- ACCT 252 Principles of Managerial Accounting (4)
- BUED 302 Business Communication (4)
- CSCD 303 Computer and Information Security (4)
- DSCI 245 Data Analysis for Business (4)
- DSCI 346 Advanced Data Analysis for Business (4)
- ECON 200 Introduction to Microeconomics (5)
- ECON 414 Health Systems (4)
- ECON 445 Insurance and Risk (5)
- ECON 452 Health Economics (5)
- HLED 256 Medical Terminology (2)
- HUMR 328 Human Resource Management (4)
- MISC 300 Health Care Organization and Administration (4)
- MISC 311 Information Technology in Business (4)
- MISC 322 Health Care Technology (4)
- MISC 327 Business Database Application (4)
- MISC 372 Data Communications and Networking Fundamentals (4)
- MISC 373 Network Programming (4)
- MISC 374 Business Database Application (4)
- MISC 498 Health Information Technology (4)
- OCTH 292 Foundations of Documentation and Medical Terminology (2)
- HSAD 300 Health Care Organization and Administration (4)
- HSAD 310 Health Care Supervision (4)
- HSAD 311 Health Law, Regulation and Ethics (4)
- HSAD 410 Health Law, Regulation and Ethics (4)
- HSAD 435 Process Improvement in Health Care (4)
- HSAD 440 Health Care Research Design and Methods (4)
- HSAD 455 Healthcare Billing (3)
- HSAD 490 Senior Capstone (4)
- MISC 490 Senior Capstone (4)
- MISC 495 Internship (5)
- MISC 511 Information Technology in Business (4)
- MISC 527 Human Resource Management (4)
- MISC 536 Systems Analysis and Design (4)
- MISC 550 Software Engineering (4)
- MISC 568 Health Information Technology (4)

Total minimum credits for above major 97 credits

MINOR

HEALTH SERVICES MANAGEMENT MINOR (20 CREDITS)

Required Courses

- HSAD 300 Health Care Organization and Administration (4)
- HSAD 310 Health Care Supervision (4)
- HSAD 322 Health Care Technology (4)
- HSAD 410 Health Law, Regulation and Ethics (4)
- HSAD 435 Process Improvement in Health Care (4)

Total credits for above minor 20 credits

GRADUATE PROGRAM

The College of Business and Public Administration through its Health Services Administration Program, offers graduate courses and a graduate-level certificate in health services administration. Courses from health services administration are often included in a number of programs such as: the Master of Business Administration, the Master of Public Administration and Master of Urban and Regional Planning.

In general, the graduate courses are designed to expand one’s understanding of issues that impact the successful delivery of health services. The individual classes focus on unique (universal) organizational issues that impact health delivery. The topics covered in these classes will be useful to health-related professionals who have specialty expertise in a health discipline and desire a greater understanding of the legal, fiscal and managerial aspects of delivering health care in different settings. They also will aid non-health professionals who wish a better understanding of financing and delivery of public and private/non-profit health care.

This graduate certificate supports the goals of the college and university by providing opportunities for people to expand their collaborative, critical thinking, change management and strategic planning skills. Students who successfully complete a certificate offered by this program will become more effective manager/administrators or collaborators within the health delivery system. The program believes in the concept that health is a team affair and is committed to providing education, research and service opportunities for students to become effective collaborators in personal/ community health enhancement.

Student Learning Outcomes—students will:

- apply healthcare management concepts to current healthcare issues;
- demonstrate effective written, oral and presentation communication skills;
- analyze approaches to meet healthcare needs.

Admission Requirements/Preparation

The Health Services Administration Program encourages people with a bachelor degree and who are interested in health services administration, to enroll in the graduate courses offered. Depending on one’s background and multitude of health care entities (public experience), certain prerequisite courses could be needed. Students who have a bachelor’s degree in business, public administration, social work or related disciplines may have the necessary preparation to enroll in the courses and Certificate Program with little or no additional preparation. The identification of necessary prerequisites would occur through a review of transcripts and other application material by the program director.

Program Requirements

1. Two copies of official transcripts for all college work completed.
2. Meet graduate program admission requirements.
3. A letter describing one’s background and experience in the health delivery system and how the Health Services Administration Certificate fits into one’s professional goals.
4. Application materials should be sent directly to Graduate Studies Office, 206 Showalter, Eastern Washington University, Cheney, WA 99004–2444.

Application Deadline

The Health Services Administration programs accept students into courses at any time. HSAD 500, U.S. Health Care Systems (4) is the first class and is offered in the fall. It is the prerequisite for the remaining classes. Certificate applicants should plan to start classes in the fall with the HSAD 500 class. Online offerings may be available.
The Health Services Administration Certificate is intended to provide students who have an interest in working within the health field with an understanding of the many different types of health organizations that exist in the U.S. The courses also present students with an overview of the financial, legal and administrative issues that face all health administrators in today’s market.

Students who wish a Health Services Administration Certificate must successfully complete the following courses.

**Required Courses**

- HSAD 500 U.S. Health Care Systems (4)
- HSAD 510 Health Law (4)
- HSAD 520 Health Reimbursement Issues (4)
- HSAD 545 Health Informatics (4)
- HSAD 598 Seminar in Health Services Administration (4)

**Total required credits** 20 credits

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**Health Services Administration Courses**

**Terms offered:** fall, winter, spring, summer (FWSU). 
If no terms are indicated, check with the department or EagleNET.

**HSAD 300 Health Care Organization and Administration (4)**

This is a survey course that looks at the multitude of healthcare entities (public and private), how they interact and the issues that are in today’s complex health care environment.

**HSAD 310 Health Care Supervision (4)**

Prerequisite: HSAD 300 or permission of the instructor. Topics covered include: tasks, education, roles and values of health services managers in various settings; control, organization behavior, design, professional integration, adaptation and accountability. Case analysis method will be emphasized.

**HSAD 315 Seminar on Professional Development (1)**

Prerequisite: junior standing. This course provides an introduction to professional development. Identified and reviewed are skills commonly associated with professional behavior critical to establishing and demonstrating competence in young professionals. The focus will be developing and enhancing professional behavior.

**HSAD 322 Health Care Technology (4)**

Prerequisites: HSAD 300, MISC 311 or permission of the instructor. This course introduces the student to the technology used in health care for administrative, clinical and facility needs. Support systems for health care are also discussed. This illustrates the breadth and scope of technology in health care and its impact on patients, providers and payors.

**HSAD 399 Special Studies (1–10)**

Prerequisites: permission of the instructor, department chair and college dean. Subjects vary according to faculty and student interest and need.

**HSAD 410 Health Law, Regulation and Ethics (4)**

Prerequisites: HSAD 300, HSAD 310 or permission of the instructor. This course is an introduction to health-related legislation, regulation and certification/accreditation programs. The legal and ethical implications for providers and consumers of health care are explored. Topics covered include contracts, fraud and abuse, antitrust and corporate, criminal and tax law, informed consent, patient rights, medical worker issues and conflict of interest. Ethics, risk management and corporate compliance, will also be discussed.

**HSAD 435 Process Improvement in Health Care (4)**

Prerequisites: HSAD 300, HSAD 310 and HSAD 410 or permission of the instructor. This course examines strategic planning in health care, the application of quality management in health care and strategies for competitive advantage. The student is exposed to a variety of strategies as well as a systems approach to understanding concepts as they apply to health care.

**HSAD 440 Health Care Research Design and Methods (4)**

Prerequisites: DSCI 245 and HSAD 300 or permission of the instructor. This course covers the methods used in health services research and evaluation which includes research designs, measurement, methods of analysis and evaluation of published research. The objective of the course is to provide the student with an understanding of the research process and evidence-based research as it relates to health care.
HSAD 445 Population Health Management (4) W
Prerequisites: DSCI 245, HSAD 300, HSAD 310, HSAD 440, MISC 311.
This course focuses on population health and on designing and managing health care for the population. It encompasses both population health and managerial epidemiology concepts and tools to improve decisions about the management of health services. It explores effective management of resources to maintain and promote the health of the population.

HSAD 450 International Perspectives on Healthcare (4) F
Satisfies: international studies university graduation requirement.
This course evaluates the impact of values and beliefs, types of providers, government funding, and medical technology in the delivery of health care in industrialized, emerging and poor geographic regions outside the United States. It compares the delivery of health care in these geographic areas to each other and to that experienced in the United States to determine best practices and areas for improvement.

HSAD 455 Healthcare Billing (2) W
Prerequisites: HSAD 300, HSAD 310, HSAD 410, HSAD 440.
This course provides an overview of the healthcare billing processes from a variety of healthcare delivery systems both public and private. Systems used in billing, the billing and revenue cycles and application of information for administrative and clinical needs are reviewed.

HSAD 460 Long Term Care Administration (4) W
Prerequisite: HSAD 300 or permission of the instructor.
The administration issues of care for long term patients will be addressed with specific discussion on the aged and primary and extended care of the age. The pecular social, cultural and economic environment will be discussed as each is related to accessibility and availability of health services and the aspects of administration in long term care facilities.

HSAD 470 Healthcare Finance (4)
Prerequisite: BUED 302, DSCI 245, HSAD 300, HSAD 310, HSAD 323, HSAD 410, MISC 311.
This course focuses on the practical application of health care finance theory as it applies to the current health care environment. Revenue and expense applications are explored in depth, particularly in relationship to the delivery of health care services. Both private and public healthcare funding are explored. Specific emphasis is placed on understanding the components of the income statement and balance sheet, developing a budget, and using these financial statements for analyzing operational changes.

HSAD 490 Senior Capstone: The Impact of Culture, Gender and Race on Health (4)
Prerequisites: HSAD 300, HSAD 310 and HSAD 410.
Satisfies: senior capstone university graduation requirement.
This course examines health-related differences due to the impact of gender, ethnicity and race on health. It attempts to put this information in a context which allows health program managers to use this information to better plan, design and implement programs which are sensitive to the health needs of diverse populations. To achieve this goal the class will examine epidemiological research, historical and cultural studies and social and psychological theories pertaining to health status and communication.

HSAD 495 Internship (5)
Prerequisites: HSAD 300, HSAD 310 and HSAD 410 and permission of the instructor, department chair and college dean.
Students learn the day-to-day operation of a health care organization by spending 20 hours a week on-site under direct supervision.

HSAD 499 Directed Study (5) FWSU
Prerequisite: permission of the instructor, department chair and college dean.
Individual study in a field of special interest.

HSAD 500 U.S. Health Care Systems (4) F
Prerequisite: graduate standing.
This course concentrates on the health care environment and how it impacts on health services administration. Considerable time is spent discussing the effectiveness of the health care system in the United States as it exists today. Topics to be covered include: the various health care delivery models, financing health care, managed care organizations, Medicare and Medicaid, health manpower, single and multi-hospital systems, long-term care and historical data.

HSAD 510 Health Law (4) U
Prerequisite: HSAD 500.
The objective of the course is to develop in the student an appreciation of the depth and reach of the law in all facets of the health care delivery process. The course will emphasize the impact of the law in private and public health settings. Topics include (1) an introduction to our legal system, (2) professional liability issues related to providers, legal issues in the operation and regulation of health care institutions and legal issues in the institution-patient relationship as well as the institution-physician relationship.

HSAD 520 Health Reimbursement Issues (4) W
Prerequisites: HSAD 500.
Reimbursement issues are reviewed for two perspectives (1) institutions/providers and (2) payers and users of health care, such as insurers, business and consumers. Topics covered from the providers’ perspective include evaluation of one’s financial information for clinical and managerial decisions. Topics covered from the payer’s perspective include financial incentives and disincentives. Implications for efficient and effective delivery of health care services are identified and explored.

HSAD 530 Seminar on Business and Health (4)
Prerequisites: HSAD 500 and advanced graduate standing or permission of the instructor.
This course examines the role companies and other employers play in the development of health policy and provision of health services pertaining to employee benefits.

HSAD 535 Risk Management and Process Improvement (4)
Prerequisites: HSAD 500, HLED 505, PUBH 530.
This course introduces students to the processes of risk management and process improvement in healthcare. Current models, methods and tools used in both risk management and process improvement throughout the continuum of health care delivery are examined.

HSAD 540 Health Policy (4)
Prerequisites: HSAD 440, HSAD 510, HSAD 530, and permission of the instructor.
This course discusses major relevant policy issues in the United States healthcare system. Public policy process is reviewed. Healthcare policy impacting private and public entities including Medicare, Medicaid, Department of Defense, Veterans Administration and Indian Health Services are examined.

HSAD 541 Advanced Health Policy (4)
Prerequisites: HSAD 540.
This course builds upon HSAD 540 and discusses policy formulation and administrative implementation. A systems approach to viewing issues related to public health policy implementation is examined and global policy issues are reviewed.

HSAD 545 Health Informatics (4)
This course introduces the fundamentals of health information systems and the management of health information, including health data management, health statistics, biomedical research, quality management and information technology and systems. These elements are discussed in the context of healthcare delivery systems.

HSAD 550 Health Economics (4)
This course provides an overview of health economics and examines the flow of funds through the health care system. Economic principles important to health care are discussed and the impact of economics related to influencing individual, organization and community health care decisions is explored.

HSAD 560 Managed Care Systems (4)
Prerequisites: HSAD 500, HSAD 520 or permission of the instructor.
An examination of the challenges associated with organizing and managing various types of managed care systems (Health Maintenance Organizations (HMOs), Preferred Providers Organizations (PPOs), etc.). The course places special emphasis on the organization and management of physicians’ practices and the principles of health insurance, including premium development and risk management. Other topics include contractual relationships with hospitals, utilization review, quality assurance systems and marketing.

HSAD 595 Internship (1–5)
Prerequisite: permission of the instructor, department chair and college dean.

HSAD 596 Experimental Course (2–5)

HSAD 598 Seminar in Health Services Administration (4) U
Prerequisites: HSAD 500, HSAD 520, and permission of the instructor.
This course is designed to emphasize the manager’s role when conducting grant writing or research within the field of health care. The course will emphasize the managerial applications of survey research and grant writing from both a theoretical and practical perspective. Students will learn to conduct survey research or write a grant during this course with the assistance of the instructor.

HSAD 599 Directed Readings (1–5)
Prerequisite: permission of the instructor, department chair and college dean.
HISTORY
College of Social & Behavioral Sciences and Social Work

Liping Zhu, Chair  107 Reid  509.359.7954  history@ewu.edu

<table>
<thead>
<tr>
<th>BA</th>
<th>Minors</th>
<th>History Endorsement</th>
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**UNDERGRADUATE PROGRAMS**

George Santayana wrote that “Those who cannot remember the past are condemned to repeat it.” History provides the most useful key of knowledge for unlocking all other realms of human development. It embraces many fields of academic inquiry and uses them to provide a detailed picture of various cultures and their governments, legal systems, social behavior, art, economic systems, literature, religion, medicine, technologies, sports, fashions and a myriad other endeavors. A university-level education would be inconceivable without it, because learning about the past is imperative to understanding the present and preparing for the future. The study of history provides a solid foundation not only for history and social studies education majors but also for careers in law, business, government, international relations, journalism, library services and museums, to name but a few. As peoples of different ethnicities interact with each other more frequently in the 21st century, understanding each others’ past paves the way for harmonious and beneficial cross-cultural relations.

In addition to resources of the university library, students have access to materials at the Northwest Museum of Arts and Culture and the Washington State Archives, Eastern Region. Internships are available at several agencies in the area, such as the Northwest Museum of Arts and Culture, the University Archives and the City/County Historic Preservation Office.

**History Degree Descriptions**

The History Department offers both a major and a minor for the Bachelor of Arts degree. History courses also appear in Africana Studies, American Indian Studies, Chicano Studies and Women’s and Gender Studies Programs. The department also offers a Master of Arts degree.

Any student who is considering a major or minor in history is strongly encouraged to consult with an advisor from the Department of History in the early stages of his or her academic study at EWU.

**General Degree Completion Requirements**

Courses used to fulfill the History Program requirements for the BA (50 and 65 credit options) and the History Minor (18 credits) require a minimum grade ≥2.0 in each course and a minimum GPA ≥2.5 for all such courses.

Required courses in the following programs of study may have prerequisites. Reference the course description section for clarification.

**BACHELOR OF ARTS (BA)**

**Student Learning Outcomes—students will:**

- display an ability to do original research in library, archival and electronic resources;
- develop writing proficiency on historical topics;
- analyze and interpret a wide spectrum of historical source materials;
- demonstrate knowledge about a wide variety of historical issues, themes, events and persons;
- articulate how their historical training can be applied in various careers;
- display an appreciation for the culturally diverse nature of human beings from a historical perspective.

**HISTORY MAJOR (50 CREDITS)**

*Note: two years of a single high school foreign language or one year of a single college-level foreign language is required; completion of two or more years of a college-level foreign language is strongly recommended.*

*Note: the 50-credit History major requires the completion of a minor or certificate approved by a history advisor.*

*Note: students must complete at least 25 credits of this major at Eastern Washington University.*

**Required Courses**

**Introductory Survey chosen from the following (5 credits)**

HIST 102 World History: To 1500 (5)

HIST 103 World History: From 1500 (5)

HIST 104 East Asia: Tradition and Transformation (5)

HIST 105 Western Heritage: Origins to the 18th Century (5)

HIST 106 Western Heritage: 18th Century to the Present (5)

HIST 110 The American Experience: A Survey (5)

**Foundation Courses (15 credits)**

HIST 200 History Today: Issues and Practices (5)

or HIST 389 Public History (5)

HIST 390 Historian as Detective: Introduction to Historical Research Methods (5)

HIST 490 Senior Capstone Seminar (5)

**Core Courses (30 credits)**

U.S. History (10)

European History (10)

Global/Comparative History (15)

*Core courses must include at least one pre-modern course, indicated by an asterisk (*) in the course distribution list below.*

Required introductory survey credits 5 credits

Required foundation credits 15 credits

Required core credits (need 25 credits or more upper-division) 30 credits

Total credits for above major (35 credits must be upper-division) 50 credits

**HISTORY MAJOR (65 CREDITS)**

*Note: two years of a single high school foreign language or one year of a single college-level foreign language is required; completion of two or more years of a college-level foreign language is strongly recommended.*

*Note: students must complete at least 25 credits of this major at Eastern Washington University.*

**Required Courses**

**Introductory Surveys chosen from the following (10 credits)**

HIST 102 World History: To 1500 (5)

HIST 103 World History: From 1500 (5)

HIST 104 East Asia: Tradition and Transformation (5)

HIST 105 Western Heritage: Origins to the 18th Century (5)

HIST 106 Western Heritage: 18th Century to the Present (5)

HIST 110 The American Experience: A Survey (5)

**Foundation Courses (15 credits)**

HIST 200 History Today: Issues and Practices (5)

or HIST 389 Public History (5)

HIST 390 Historian as Detective: Introduction to Historical Research Methods (5)

HIST 490 Senior Capstone Seminar (5)

**Core Courses (40 credits)**

U.S. History (10)

European History (10)

Global/Comparative History (10)

Additional History Electives (10)

*Core courses must include at least one pre-modern course, indicated by an asterisk (*) in the core course distribution list below.*

Required introductory survey credits 10 credits

Required foundation credits 15 credits

Required core credits (need 30 credits or more upper-division) 40 credits

Total credits for above major (45 credits must be upper-division) 65 credits
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<td>HIST 468</td>
<td>History of Modern American Women (5)</td>
<td>WMST 468</td>
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<td>HIST 470</td>
<td>Colonial American History, 1607–1763 (5)</td>
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<td>HIST 471</td>
<td>The Era of the American Revolution . . . (5)</td>
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<td>HIST 473</td>
<td>The Age of Jackson (5)</td>
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<td>HIST 475</td>
<td>Civil War and Reconstruction (5)</td>
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<td>HIST 478</td>
<td>Contemporary America (5)</td>
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<td>HIST 481</td>
<td>History of Foreign Relations from 1898 (5)</td>
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<td>HIST 482</td>
<td>History of the American West (5)</td>
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<td>HIST 483</td>
<td>History and Government of the Pacific Northwest (5)</td>
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<td>HIST 487</td>
<td>Economic History of the U.S. (5)</td>
<td>ECON 412</td>
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<td>HIST 489</td>
<td>Labor History (5)</td>
<td>ECON 420</td>
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<tr>
<td>HIST 306</td>
<td>Modern European (5)</td>
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<td>HIST 341</td>
<td>The Renaissance and the Reformation (5)</td>
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<td>HIST 350</td>
<td>War and Society (5)</td>
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<td>HIST 357</td>
<td>Russia to 1895 (5)</td>
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<td>HIST 360</td>
<td>History of Spain (5)</td>
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<tr>
<td>HIST 382</td>
<td>20th Century Germany, From World Wars . . . (5)</td>
<td>GERM 382</td>
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<tr>
<td>HIST 425</td>
<td>Greek History to 400 BC (5)</td>
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<td>HIST 426</td>
<td>Hellenistic Greece (5)</td>
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<td>HIST 427</td>
<td>Roman Republic (5)</td>
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<td>HIST 428</td>
<td>Roman Empire (5)</td>
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<td>HIST 429</td>
<td>Ancient Near East (5)</td>
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<td>HIST 430</td>
<td>History of England to 1603 (5)</td>
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<td>HIST 431</td>
<td>History of England, 1603 to 1870 (5)</td>
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<td>HIST 432</td>
<td>Modern Britain, Since 1870 (5)</td>
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<td>HIST 433</td>
<td>British Empire Since 1850 (5)</td>
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<tr>
<td>HIST 435</td>
<td>Irish History and Culture (5)</td>
<td>ANTH 435</td>
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<td>HIST 445</td>
<td>History of Modern Germany (5)</td>
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<td>HIST 448</td>
<td>French Revolution and Napoleon (5)</td>
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<td>HIST 454</td>
<td>Diplomatic History of Europe, 1914 to the Present (5)</td>
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<td>HIST 457</td>
<td>20th Century Russia (5)</td>
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<tr>
<td>HIST 307</td>
<td>Ancient History (5)</td>
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<tr>
<td>HIST 313</td>
<td>Asian American History (5)</td>
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<td>HIST 318</td>
<td>American Indian History (5)</td>
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<tr>
<td>HIST 319</td>
<td>African History: Africa to Mandela (5)</td>
<td>AAST 319</td>
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<tr>
<td>HIST 320</td>
<td>Middle Eastern History and Culture (5)</td>
<td>ANTH, GEOG 320</td>
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<tr>
<td>HIST 334</td>
<td>The Historical Geography of Canada (4)</td>
<td>GEOG 334</td>
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<tr>
<td>HIST 336</td>
<td>Geographies of Conflict in the Middle East (5)</td>
<td>ANTH, GEOG 336</td>
</tr>
<tr>
<td>HIST 338</td>
<td>Discovering Women in Science (1)</td>
<td>BIOL, CHEM, GEOG, PHYS, PSYC, WMST 338</td>
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<tr>
<td>HIST 350</td>
<td>War and Society (5)</td>
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<td>HIST 351</td>
<td>Gender in the Century of Total War (5)</td>
<td>WMST 351</td>
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<tr>
<td>HIST 357</td>
<td>Russia to 1905 (5)</td>
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<tr>
<td>HIST 365</td>
<td>Latin American History (5)</td>
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<tr>
<td>HIST 406</td>
<td>Darwin and his Discontents</td>
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<td>HIST 410</td>
<td>China in the 19th and 20th Centuries (5)</td>
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<td>HIST 411</td>
<td>Democracy and Human Rights in Asia (5)</td>
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<td>HIST 416</td>
<td>Modern Japan (5)</td>
<td></td>
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<tr>
<td>HIST 436</td>
<td>Politics of Culture: Israel and Palestine (5)</td>
<td>ANTH, GEOG 436</td>
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<tr>
<td>HIST 440</td>
<td>History of World War I (4)</td>
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<tr>
<td>HIST 441</td>
<td>History of World War II (4)</td>
<td></td>
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<tr>
<td>HIST 457</td>
<td>20th Century Russia (5)</td>
<td></td>
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<tr>
<td>HIST 461</td>
<td>Colonial Latin America (5)</td>
<td></td>
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<tr>
<td>HIST 463</td>
<td>Cultural History of Latin America (5)</td>
<td></td>
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<td>HIST 464</td>
<td>History of Mexico (5)</td>
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<tr>
<td>HIST 465</td>
<td>The Rise and Fall of Slavery in the New World . . . (5)</td>
<td>AAST 465</td>
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<tr>
<td>HIST 469</td>
<td>Built Environments of North America (5)</td>
<td>GEOG, PLAN 469</td>
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</tbody>
</table>

**NOTE:** Courses that are listed under more than one heading may be applied toward either area. However, such courses may not be double counted (i.e., a single course may not be simultaneously applied to two areas).

**European History**

**Global/Comparative History**

**Certificate**

**Student Learning Outcomes—students will:**

- demonstrate awareness of the historical, social, cultural, geographic and political dynamics of the Latin American and Iberian countries (Latin America, Spain, and Portugal);
- apply normative and empirical tools to the study of Latin American and Iberian political, cultural and governmental realities, both past and present;
- apply knowledge of Latin American and Iberian history to interpret current political, social and cultural dynamics in Latin America and Iberia (Spain and Portugal) and in comparison to other world regions;
- acquire basic communication skills in Spanish, French or Portuguese;
- attain advanced understanding of Latin America and Iberia, sufficient to enter graduate studies concerning the region, or a track therein expertise in Latin America, Spain and/or Portugal is necessary.

**Latin American and Iberian Studies Certificate (35 Credits)**

Stretching over twenty countries, from Mexico to Central America and the Caribbean to South America, Latin America is a major world region, neighbor to the United States and increasingly the point of origin for a significant number of Americans. Through growing hemispheric links such as NAFTA, CAFTA and the OAS, Latin America has been and will continue to be a major area of U.S. business, economic and political relations. The Latin American and Iberian Studies Certificate will provide the EWU student, and the Spokane metropolitan area, with the opportunity to gain a highly specialized and integrative knowledge of the internal and international issues related to Latin America and Iberia (Spain and Portugal), by focusing on culture, history, politics and language in a premier public university setting.

Acceptance to the certificate program requires that the student have at least a cumulative GPA ≥ 3.0 in all courses at EWU and the approval of the certificate coordinator. In no course required for the certificate can the student receive < 3.0 and all courses within the certificate must have a cumulative GPA ≥ 3.3.

All courses for the certificate must be completed at EWU; transfer credits will not be accepted for certificate completion. Completion of this certificate will also satisfy the minor requirement for students completing majors where a minor is required.

**Required Certificate Courses**

**Language Requirement (15 Credits)**

Institution in the Spanish, Portuguese or French languages through the Modern Languages and Literatures language programs.

**Students must take all of the following (11 credits)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>ANTH 357</td>
<td>Peoples of Latin America (5)</td>
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<tr>
<td>HIST 365</td>
<td>Latin American History (5)</td>
<td></td>
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<tr>
<td>HIST 493</td>
<td>Certificate Synthesis and Assessment (1)</td>
<td>GOVT, ANTH 493</td>
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</tbody>
</table>

**Students select two courses from the following (9 credits minimum)**

**Anthropology**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>ANTH 366</td>
<td>Revolution and Development in the 3rd World (5)</td>
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<tr>
<td>ANTH 455</td>
<td>Archaeology of Meso-America (5)</td>
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</table>

**Chicano Studies**

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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>CHST 218</td>
<td>Chicano History (5)</td>
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<tr>
<td>CHST 360</td>
<td>Survey of Chicano Literature (5)</td>
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<tr>
<td>CHST 340</td>
<td>Latina/o Communities in the U.S.: Field Research in Chicana/o Latina/o Studies (5)</td>
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</table>

**Geography**

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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>GEOG 332</td>
<td>Geography of Latin America (4)</td>
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**Government**

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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>GOVT 320</td>
<td>International Systems (5)</td>
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<tr>
<td>GOVT 322</td>
<td>International Political Economy (5)</td>
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<tr>
<td>GOVT 327</td>
<td>Politics of Developing Nations (5)</td>
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<tr>
<td>GOVT 402</td>
<td>Topics in International Relations and Comparative Politics (5)</td>
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**History**

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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>HIST 360</td>
<td>History of Spain (5)</td>
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<tr>
<td>HIST 461</td>
<td>Colonial Latin America (5)</td>
<td></td>
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<tr>
<td>HIST 463</td>
<td>Cultural History of Latin America (5)</td>
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<tr>
<td>HIST 464</td>
<td>History of Mexico (5)</td>
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<tr>
<td>HIST 490</td>
<td>Senior Capstone Seminar (5)</td>
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</tbody>
</table>
Students may incorporate the following courses into the program when certificate–themed and with the approval of the certificate coordinator.

ANTH 499 Directed Study (5)
CHST 499 Directed Study (5)
GOVT 499 Directed Study (1–15)
HIST 499 Directed Study (5)

Note: other certificate–themed courses at the 300- or 400-level may fulfill requirements with the approval of the certificate coordinator.

**Required language credits:** 15 credits
**Core requirements:** 11 credits
**Area requirements:** 9 credits
**Minimum number of credits for above certificate:** 35 credits

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**CERTIFICATE**

**Student Learning Outcomes—students will:**

- demonstrate knowledge of public history practice and techniques;
- communicate effectively with a non-academic or client-based audience;
- demonstrate the ability to present original historical research to diverse audiences;
- demonstrate the ability to learn and communicate in multiple learning environments;
- learn the practice of public history through an applied internship.

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**PUBLIC HISTORY CERTIFICATE (31 CREDITS)**

Public history describes the many applied history careers outside of secondary and collegiate teaching. Public historians work for museums, historic homes, libraries, archives and state and national parks; additionally, they work for local, state and federal governmental agencies. Public historians may apply their knowledge of the past to film, television or web production; they may work as freelance writers or in cultural resource management. The Public History Certificate will prepare students for these exciting career opportunities with a combination of practical coursework and field experiences.

Acceptance to the certificate program requires that the student have at least a cumulative GPA ≥3.0 and the approval of the certificate coordinator. The student must not earn <3.0 in any course required for the certificate or <3.3 cumulatively for certificate courses. At least 21 credits for the certificate must be completed at EWU.

**Required courses in this program of study may have prerequisites. Reference the course description section for clarification.**

**Required Courses (16 credits)**

- HIST 110 The American Experience: A Survey (5)
- HIST 395 History Internship (5)
- HIST 493 Certificate Synthesis and Assessment (1)

**Interdisciplinary Electives (15 credits)**

The Public History Certificate coordinator must approve all elective courses applied to completion of the requirements for the Public History Certificate. Depending on the student’s career goals, interdisciplinary courses applied to the Public History Certificate could focus on grant writing, Geographic Information Systems, web design, local government and history or other relevant topics. Interdisciplinary electives will normally be at the 300 or 400 level; at least 5 credits must be HIST credits that were not applied to completion of the requirements for the Public History Certificate. This add-on satisfies the endorsement for grades 5–12.

**Interdisciplinary electives will normally be at the 300 or 400 level; at least 5 credits must be HIST credits that were not applied to completion of the requirements for the Public History Certificate.**

**HISTORY MINOR (18 CREDITS)**

**Required Courses**

- Select history courses from two or more areas on the Core Course Distribution List (U.S. History, European History, Global/Comparative History). At least 10 credits of coursework for the minor must be upper-division. At least 10 credits of this minor must be completed at Eastern Washington University.

**Total credits for above minor** 18 credits

**HISTORY/SECONDARY MINOR (30 CREDITS)**

**This minor satisfies the endorsement for grades 5–12.**

**Required Courses**

- HIST 104 East Asia: Tradition and Transformation (5)
- HIST 105 Western Heritage: Origins to the 18th Century (5)
- HIST 106 Western Heritage: 18th Century to the Present (5)
- or HIST 306 Modern Europe (5)
- HIST 303 U.S. History, 1607–1877 (5)
- HIST 304 U.S. History, 1877–Present (5)
- HIST 483 History of the American West (5)
- HIST 482 History of the American West (5)
- HIST 483 History of the Pacific Northwest (5)

**Total credits for above minor** 30 credits

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**HISTORY/ADD-ON ENDORSEMENT (49 CREDITS)**

(For students who currently possess a Washington State Teaching Certificate.) This add-on satisfies the endorsement for grades 5–12.

**Required Courses**

- ECON 100 General Education Economics (5)
- GOVT 100 Modern Government in American Context (5)
- GEOG 101 Fundamentals of Human Geography (5)
- HIST 104 East Asia: Tradition and Transformation (5)
- or HIST 306 Modern Europe (5)
- HIST 105 Western Heritage: Origins to the 18th Century (5)
- HIST 106 Western Heritage: 18th Century to the Present (5)
- or HIST 306 Modern Europe (5)
- HIST 303 U.S. History, 1607–1877 (5)
- HIST 304 U.S. History, 1877–Present (5)
- HIST 483 History of the American West (5)
- or HIST 482 History of the American West (5)
- HIST 483 History of the Pacific Northwest (5)
- SOST 390 Social Studies in the Secondary School (4)

**Total credits for above add-on endorsement** 49 credits
The MA program in History is designed to prepare students for pursuits requiring a historical background. Students who are interested in teaching careers, in preparation for doctoral programs and in participation in professional internships such as library, museum or archival work, can design a program to suit their needs.

The Public History MA Concentration at Eastern Washington University prepares students to put history to work in the world. Public historians work in archives, in museums, in local, state and federal government, at historic sites and in private industry. The concentration in Public History is a sequence of courses within the History MA. Public History students will fulfill all the requirements of the History MA, in addition to the required Public History courses. With proper planning, a concentration in Public History should not require any more coursework than a more traditional MA program.

### Grade Requirements

Students who receive a grade of <3.0 more than once will be dropped from the History MA program.

### Degree Requirements

#### Required Common Core (35 credits)
- HIST 501 Introduction to Historical Studies (5)
- HIST 550 Graduate Research Seminar (5)
- HIST 598 Graduate Writing Seminar (5)
- Four (4) Graduate Readings Courses (20)

#### Further Specialization (5–15 credits)
- Preparation of two fields
- or HIST 600 Thesis (1–15)
- or HIST 601 Research Project (1–15)

#### Electives (10–20 credits)

- Required core credits: 35 credits
- Required further specialization credits: 5–15 credits
- Elective credits: 10–20 credits
- Total credits for above master’s degree: 60 credits

### CONCENTRATION IN PUBLIC HISTORY (60 CREDITS)

#### Required Common Core (35 credits)
- HIST 501 Introduction to Historical Studies (5)
- HIST 550 Graduate Research Seminar (5)
- HIST 598 Graduate Writing Seminar (5)
- Four (4) Graduate Readings Courses (20)

#### Further Specialization (5–15 credits)
- Preparation of two fields
- or HIST 600 Thesis (1–15)
- or HIST 601 Research Project (1–15)

#### Electives (5–15 credits)

Public History students will choose electives based on their career goals and academic interests. MA students are permitted to take up to 15 credits of 400-level courses towards their MA degrees, and may petition for more if appropriate for their focus.

- HIST 460 Oral History (5)
- HIST 460 Built Environments of North America: Symbol and Structure (5)
- HIST 498 Seminar (5)
- HIST 546 Cultural Resource Management (5)
- HIST 548 Introduction to Archives (5)
- HIST 590 Historical Writing and Editing (5)

#### Required Readings Courses (15–20 credits)
- HIST 542 Public History (5)
- HIST 544 Digital History (5)
- HIST 694 History Internship (2–5)*

#### Elective credits

All students must complete a total of 35 credits in coursework.

- Required core credits: 35 credits
- Required further specialization credits: 5–15 credits
- Elective credits: 5–15 credits
- Required reading courses: 15–20 credits
- Total minimum credits for master’s degree concentration: 60 credits

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Note: *Internships: Students with a concentration in Public History will take 5–10 credits of internship to hone their public history skills in the real world. Internships should ideally take place in the second year of the MA program.

Note: Supplementary Course Work: Depending on the student’s course of study and career aspirations, it may prove useful for students to take relevant coursework outside the history department. Public history students may take up to 15 credits of 400 or higher level classes in other departments at the director of the public history program’s discretion. This might include courses in anthropology, archeology, computer science, film or video production or GIS certification.
History Courses

Terms offered: If no terms are indicated, check with the department or EagleNET.

HIST 102  World History: To 1500 (5)
This course surveys the major events, developments and personalities that have shaped the civilizations of the world from the first appearance of Homo sapiens to the start of the Renaissance. A comparative approach will be applied to the great themes of civilization with details from everyday life.

HIST 103  World History: From 1500 (5)
This course surveys the major trends in world history from 1500 to 2000, emphasizing the expansion of Europeans around the globe since Columbus reached the New World and the effects on non-European peoples ever since. A comparative approach will be applied to the great themes of civilization with details from everyday life.

HIST 104  East Asia: Tradition and Transformation (5)
Satisfies: international studies university graduation requirement.
The political, social, cultural and other aspects of the Chinese, Japanese and Korean heritage from antiquity to the present. The course deals with forces which shaped these Asian nations.

HIST 105  Western Heritage: Origins to the 18th Century (5)
Satisfies: GECR for social sciences, list 3, history.
The origins and early development of the political, social, cultural and other aspects of our Western heritage.

HIST 106  Western Heritage: 18th Century to the Present (5)
Satisfies: GECR for social sciences, list 3, history.
The political, social, cultural and other aspects of the western heritage from the 18th century. The course deals with the forces which shape the modern world.

HIST 110  The American Experience: A Survey (5)
Satisfies: GECR for social sciences, list 3, history.
a broad survey of unique features of the American experience, this course examines the origins and development of the American social, economic and political heritage on the domestic and international scenes.

HIST 215  Early African American History: Ancient Africa to the End of the Reconstruction 1877 (5)
Satisfies: cultural and gender diversity university graduation requirement.
Examines the African American experience from African civilizations in the 4th century AD through slavery to the end of the Reconstruction Era in the United States.

HIST 218  Chicano History (5)
Cross-listed: CHST 218.
Satisfies: cultural and gender diversity university graduation requirement.
A study of Chicano history from the time of the Treaty of Guadalupe Hidalgo in 1848, to the present. Specific themes discussed include the Mexican American War, the Treaty of Guadalupe Hidalgo of 1848, the economic, political and social conditions after the Anglo-American conquest of the southwest, Mexican immigration to the U.S., Chicano labor history, the Chicano movement and other Chicano themes.

HIST 220  African American History: Post Civil War to Present (5)
Cross-listed: AAST 220, HONS 220.
Satisfies: the GECR for social sciences, list 3, history.
The study of African American history from the perspective of the African American experience since the end of the Reconstruction period.

HIST 290  History Today: Issues and Perspectives (5)
An introduction to history as a discipline, the theoretical issues relevant to the discipline today and the organization of the history profession in the United States. Topics to be covered include: an overview of modern historiography; why historians interpret the past in different and often contested ways; problems of historical method, objectivity, causation, periodization and categories of historical analysis (such as nation-state, gender, race and class); and publications, professional organizations and careers in history.

HIST 299  Special Studies (1–5)
Prerequisite: permission of the instructor.
Subjects studied vary according to faculty and student interest.

HIST 300  Special Topics in History (1–5)
Partial Fulfillment of the Core
A series of specialized studies of different areas of history, such as conservation, urban history, science and technology. The topics are announced each quarter and may or may not be offered each year.

HIST 301  History of the Present (5)
Satisfies: international studies university graduation requirement.
The historical background of contemporary problems and events, such as the Arab-Israeli conflict. Topics vary with changes in the world situation.

HIST 303  U.S. History, 1607–1877 (5)
This course is designed primarily, but not exclusively, for history majors and minors and is required as part of the social studies major core. It examines aspects of this nation’s political, economic, cultural and social development from its time of English settlement to the end of Reconstruction.

HIST 304  U.S. History, 1877–Present (5)
This is a comparative study of indigenous peoples in Southeast Asia and how they have reacted to European, American, Japanese and Soviet expansion into this region, focusing on the period 1500 to 2000. Students will be challenged to critically examine the long-term political, social and economic processes that have shaped the S.E. Asia of the present day.

HIST 313  Asian American History (5)
Satisfies: cultural and gender diversity university graduation requirement.
American history often focuses on the Atlantic migration and its consequences. Not all Americans have European origins. Many immigrants came from Asia. This course with an emphasis on the Pacific migration examines the experience of these Asian immigrants and their descendants in the United States from the 1840s to the present. The discussions give preference to six major ethnic groups: Chinese, Japanese, Filipino, Korean, Vietnamese and Asian Indian. Their collective history will be studied within the broad context of Asian history, involving various historical themes such as westward expansion, modern industrialization, urban development, international conflict, immigration policy, labor unrest, reform movement and cultural exchanges. The purpose of this course is to deepen our understanding of American history as well as our multicultural society.

HIST 315  African History: Ancient Africa to Mandela (5)
Cross-listed: AAST 315, HONS 315.
Satisfies: international studies university graduation requirement.
A survey of African history from prehistory to the present. Emphasizes earlier African civilizations, extensive contact with the outside world and the formation of African nations.

HIST 316  American Indian History I (5)
Cross-listed: IDST 316.
Satisfies: cultural and gender diversity university graduation requirement.
This course introduces students to an overview of American Indian history through major themes which include impact and response to European contact, conquest and colonization, empire building, removal and dispossession from traditional lands, treaties breaking and the origins of Federal Indian Policy.

HIST 317  American Indian History II (5)
Cross-listed: IDST 317.
This course introduces students to an overview of American Indian history from 1877 to the present. Major themes covered in this course include but not limited to questions regarding history as a discipline, origins of indigenous peoples, impacts and responses to colonization and genocide, beginning from assimilationist policies, self-determination, termination and relocation, Red Power movement, gender, sovereignty, identity, land, environment and current issues facing American Indian peoples and communities today.

HIST 320  Middle Eastern History and Culture (5)
Cross-listed: ANTH 320, GEOG 320.
Examines the various ethnic, religious and national communities of the Middle East in historical and contemporary context.
HIST 334 The Renaissance and the Reformation (5)
Prerequisite: HIST 105 or permission of the instructor.
History of Europe from the 14th through the 16th Centuries. This course examines the religious, artistic and intellectual developments of the period in their social and political context.

HIST 350 War and Society (5)
Satisfies: international studies university graduation requirement.
A survey of military technology, strategy and tactics and their relationship to non-military aspects of society from the Middle Ages to the present. Emphasis is on European land warfare, but aerial, naval and non-European aspects are not excluded.

HIST 351 Gender in the Century of Total War (5)
Cross-listed: WMST 351.
This course explores the relationship between social constructions of gender and the history of war in the 20th century. Topics include how gender is used to justify war and the use of gender ideologies in pacifist movements. The course also looks at ways that individual men and women experienced war and war's effects on the social, sexual, psychological, political and economic aspects of individuals' lives.

HIST 357 Russia to 1905 (5)
Prerequisite: junior standing.
The history of Russia from state foundation to the 1905 revolution. Major topics include: Russia’s position between East and West; social and cultural developments, especially political and social reform; and the creation of the revolutionary movement.

HIST 360 History of Spain (5)
A history of Spain from pre-Roman times to the present, with special emphasis on the Imperial Hapsburg years, the Bourbon Enlightenment and the Napoleonic era. Implicit inclusion of the concurrent developments of Western civilization.

HIST 365 Latin American History (5)
Satisfies: international studies university graduation requirement.
Covers Spanish and Portuguese conquests in the Western hemisphere and the formation of a new civilization. The Hispanic colonial centuries, the revolutions for independence and subsequent experiences with dictatorships and democracy punctuated dramatic and distinct histories.

HIST 373 History of the American Wilderness (5)
The course introduces ways men and women have lived in and thought about their natural environment in the United States. It begins with the colonists who thought of the wilderness as a realm to conquer and concludes with the contemporary American environmentalists who seek to preserve the wilderness.

HIST 382 20th Century Germany, From World Wars to Cold War. Culture, Political Conflict and National Identity (5)
Cross-listed: GERM 382.
Prerequisite: ENGL 201 or permission of the instructor.
This interdisciplinary course introduces students to central problems in German history and culture, from the end of World War I to the end of the Cold War. Topics addressed include: the impact of World War I on German national identity; Avant-garde culture in the Weimar Republic; the rise of fascism and daily life in Nazi Germany; the Holocaust; cultural and political divides between East and West Germany.

HIST 389 Public History (5)
Prerequisites: HIST 110 and permission of the instructor.
Research using regional public and private collections. With the general histiories of the local and the urban and regional planner for service in the fields of local history, museology and historic preservation. Required of students in public history field.

HIST 390 Historian as Detective: Investigating Historical Research Methods (5)
Prerequisite: HIST 290 or HIST 389 and junior standing, or permission of instructor.
This seminar is designed to help advanced history students develop the skills needed to conduct primary-source research and write successful papers. This course prepares students for work in other advanced history courses, in the history capstone course, writing papers for academic conferences and for graduate study in history and related fields.

HIST 392 Women in the American West (5)
Cross-listed: WMST 392.
Prerequisite: junior standing.
This course examines the lives of frontier women using a variety of primary sources (letters, diaries, oral histories), as well as secondary sources (books, articles, movies). It is designed to help students develop the skills needed to conduct primary-source research and write successful papers. This course prepares students for work in other advanced history courses, in the history capstone course, writing papers for academic conferences and for graduate study in history and related fields.

HIST 394 Women in American History (5)
Cross-listed: WMST 394.
Prerequisite: junior standing.
Satisfies: cultural and gender diversity university graduation requirement.
Brings to life and surveys the accomplishments of the women of our past from colonial times to the present. Society's definition of the nature of women and their proper roles is examined as well as the actual life conditions of women and the social and economic functions they performed.

HIST 395 History Internship (1–5)
Prerequisite: permission of the instructor, department chairperson and college dean.
An opportunity for history students to work with historical agencies. Individual learning and career development contact is coordinated through Internship Programs.

HIST 405 Women and Men in History (1)
Cross-listed: WMST 395.
This course will deal with the placing of women and men within history. A comparative analysis will be made of the historical treatment given to both women and men. Using American history as an example, we will examine primarily economic and social institutions that will effectively help the classroom teacher create a gender balanced course and the student to recognize gender balance in history education.

HIST 406 Darwin and His Discontents (5)
Prerequisite: junior standing or permission of instructor.
This course examines the debate over the question of Creation-Creation controversy, including the subfields of intellectual, cultural, scientific, legal, religious and political history. The course includes precursors to Darwin, Darwin's discovery of evolution through natural selection, evolution's reception by scientific and religious communities, the modern synthesis of evolutionary biology, legal challenges to teaching evolution and creationism in public schools, intelligent design and Kuhnian philosophy of science.

HIST 407 Hometown History (5)
Prerequisite: HIST 110 and permission of instructor.
This course prepares students for jobs in public history. Students research and investigate problems in the practice of local history. The course is tailored for students specializing in public history.

HIST 409 Oral History (5)
Prerequisite: junior standing and permission of instructor.
This course provides a solid foundation in the ethics and practice of oral history. Students learn the steps involved in co-creating primary historical documents through personal interviews. All students are required to prepare an interview suitable for preservation in a local archival repository.

HIST 410 China in the 19th and 20th Centuries (5)
A political, economic and diplomatic consideration of China from the late Qing dynasty, with particular emphasis on the rise of nationalism and communism as an aftermath of Western and Japanese imperialism in China.

HIST 411 Democracy and Human Rights in Asia (5)
This course examines the pitfalls, challenges and successes of using Western ideas and practices for judging Asian governments. By understanding the history of government, crime and punishment, women’s roles, and relations between rulers and ruled the past 2,000 years in East and Southeast Asia, a better understanding of the complexity of these issues will result.

HIST 416 Modern Japan (5)
Satisfies: international studies university graduation requirement.
History of Japan as traditionalism is modified and the modern nation emerges, from the 17th century to the present.

HIST 425 Greek History to 400 BC (5)
Ancient Greece from earliest times to 400 BC. The art, archaeology and history of the Golden Age of Athens.

HIST 426 Hellenistic Greece (5)
The history of ancient Greece from 400 BC to 30 BC. This course will focus on Alexander the Great and the results of his conquests. The course covers the period from the end of the Peloponnesian War to the conquest of the East by Rome.

HIST 427 Roman Republic (5)
The course begins with the earliest settlements in Italy and follows the Western Greeks, Etruscans, Carthage and the founding of Rome to 30 BC, the beginning of the reign of Augustus.

HIST 428 Roman Empire (5)
The history of Rome from Augustus to Constantine the Great (30 BC–337 AD). The course includes cultural as well as political developments.

HIST 429 Ancient Near East (5)
An intensive study of the ancient Near East including Mesopotamia, Egypt, the Indus Valley and Assyria.

HIST 430 History of England to 1605 (5)
Various aspects of English history from the Roman conquest to 1605. Attention is given to social, cultural, economic and political developments.

HIST 431 History of England 1605 to 1870 (5)
A history of England from 1605 to the late Victorian period, including a study of the cultural, economic and constitutional developments of the period.
HIST 432  Modern Britain Since 1870 (5)  From Victorian England, this course includes a consideration of the 19th century background. Stress is on the transition of Great Britain from its peak through the years of decolonization.

HIST 433  to Europe and the world. Leading European naval, imperial and commercial powers, the technology, the diplomacy and the major battles in all theaters, the war in the air and the sea, the relationship of geology and climate to the availability of building materials and the effect of these on the human built environment, especially in the Pacific Northwest. Special emphasis will be placed on the visual differentiation of building styles and the symbolic, political and philosophical foundations of architectural form and decoration.

HIST 448  French Revolution and Napoleon (5)  The development of American life, thought and institutions from the earliest settlements to the end of the French and Indian War. Topics include Partitionism, colonial wars, Native Americans and the family.

HIST 449  Built Environments of North America: Symbol and Structure (3)  Cross-listed: GEG 409, PLAN 409. Prerequisite: junior standing. This course will examine such topics as the diffusion of major styles of residential, commercial and public architecture across the continent, the relationship of geology and climate to the availability of building materials and political and social trends of the Revolution, the origins and development of the course will consider how a detailed knowledge of these 'politics of culture' can provide meaningful insights to potential avenues of cultural redefinition and, ultimately, a more peaceful environment for Israelis and Palestinians.

HIST 454  Diplomatic History of Europe, 1914 to the Present (5)  Prerequisite: ANTH 101 or permission of the instructor. International studies university placement. This course examines the status and identity of women in Islamic communities throughout the world and assesses how different interpretations of Islam, as a simultaneously religious, social, cultural, political and economic system, influence perceptions of women within Islamic communities. It further considers the perceptions of Islam vis-à-vis women and Islamic women themselves by non-Muslim communities.

HIST 457  History of Mexico (5)  Cross-listed: History 427. Prerequisite: junior or senior standing. This course examines the role of the cultural struggles between Israelis and Palestinians. Explores the role of culture in defining and understanding the manifestation and enactment of peace and violence, including the Marxist victory in 1917, Joseph Stalin's revolution from above and the Gorbachev revolution in the 1980s. An emphasis upon the process by which they attained independence.

HIST 463  Cultural History of Latin America (5)  Focuses on the evolution of institutions in Hispanic America related to the thought of their day.

HIST 464  History of Mexico (5)  A study of Mexico from pre-conquest times to the present. Attention is given to social, cultural, political developments with special emphasis on the National Period.

HIST 465  The Rise and Fall of Slavery in the New World, 1500–1888 (5)  Cross-listed: AAST 465. Prerequisite: junior standing. This course traces new world slavery from its origins in the islands off the west coast of Africa to the end of the American Civil War. The rise of the Cotton Kingdom, the political controversy over slavery, the rise of the abolition movement, and the dilemma of slavery during the Civil War.

HIST 466  Slavery in the U.S. (5)  Cross-listed: AAST 466. This course covers the rise and fall of slavery in the United States and its colonial antecedents. Topics include the transition from indentured servitude to slavery in the Chesapeake in the early 17th century, the Atlantic slave trade, the effects of the slave trade on Africa, the Haitian Revolution, slavery and the Enlightenment philosophies, the profitability of slavery and the abolition movement.

HIST 467  History of Modern Latin America (5)  Focuses on the evolution of institutions in Hispanic America related to the thought of their day.

HIST 470  Colonial America: Symbol and Structure (3)  Cross-listed: GEG 409, PLAN 409. Prerequisite: junior standing. This course surveys the development of the American West since the late 18th century and the role of the British and American governments in the region. It emphasizes the place and peoples, and examines the region's role in the history of the United States.

HIST 481  History of American Foreign Relations from 1898 (5)  A topical approach to the expansion of America's open-door empire from 1898 to the present, with emphasis on the patterns of U.S. intervention around the globe, the impact of World Wars and the history of the Cold War.

HIST 482  History of the American West (5)  This course surveys the development of the American West from the wilderness to a distinctive region. It emphasizes the place and peoples, and examines the region's role in the history of the United States.

HIST 483  History and Government of the Pacific Northwest (5)  An intensive study of the principal events and institutions of the four states comprising the Pacific Northwest and especially of their relations to the Federal Union. A comparative analysis of British Columbia is also included.

HIST 487  Economic History of the United States (5)  Cross-listed: ECON 412. Prerequisite: junior standing. Economic development of the United States from the early colonial period to the present: explorations, westward movement, labor, rise of great industries, world trade and post-war economic problems.

HIST 494  History of Modern Germany (5)  History of Germany in the 19th and 20th centuries.

HIST 496  The Rise and Fall of Slavery in the New World, 1500–1888 (5)  Cross-listed: AAST 465. Prerequisite: junior standing. This course traces new world slavery from its origins in the islands off the west coast of Africa to the end of the American Civil War. The rise of the Cotton Kingdom, the political controversy over slavery, the rise of the abolition movement, and the dilemma of slavery during the Civil War.
HIST 490 Senior Capstone Seminar (5) FWS
Prerequisites: senior standing, declared history major, HIST 390 or HIST 500 or instructor permission.
Satisfies: senior capstone university graduation requirement.
Senior Capstone Seminar includes a major history paper and end-of-program assessment.

HIST 493 Certificate Synthesis and Assessment (1)
Prerequisite: permission of the instructor.
Advised by the certificate coordinator, the student will compile an assessment portfolio of significant assignments completed during the relevant certificate program at EWU. The student will also produce a paper addressing her or his experiences in the certificate program as a means of guided academic and/or career planning. Taken during the term in which the student expects to complete the requirements for the certificate, this independent study course allows the student to engage in portfolio development and summative assessment of the certificate program.

HIST 495 History Internship (1–5)
Prerequisites: permission of the instructor, department chair and college dean.
An opportunity for history students to work with historical agencies. Individual learning and career development is coordinated through the University Internship Office.

HIST 497 History Workshop (1–5)
HIST 498 Seminar (1–5)
HIST 499 Directed Study (1–5) FWSU
Prerequisite: permission of the instructor, department chair and college dean.
Directed study and research projects in various fields of history. Limited to senior and graduate students.

HIST 501 Introduction to Historical Studies (5)
A seminar on the nature and problems of historical study with an emphasis on recent historiographical trends and research methods.

Reading courses are usually offered every other year—choose four.

HIST 506 Culture and Politics in Ancient Greece (5)
This is a reading course in ancient Greek history. Students will be exposed to both primary or ancient sources as well as the most recent or pertinent scholarship in this area. Contents will focus upon economics, war and religion with special emphasis placed upon the development of the world's first democracy.

HIST 508 Fall of the Roman Republic (5)
This course will explore the unique factors within the Roman social structure, which encouraged ceaseless warfare, leading to the accumulation of the largest empire of the ancient world. This course will explore the fact that military necessity allowed the creation of a republican state, while military reality allowed that republican state to be torn down and a totalitarian dictatorship to emerge.

HIST 512 British History (5)
Prerequisite: permission of the instructor.
The study and analysis of a number of works by different authors representing a variety of views and interpretations of British history.

HIST 515 Introduction to World History (5)
Prerequisite: HIST 501 or permission of the instructor.
Since the establishment of the World History Organization in 1982, World History has emerged as a prominent subfield in the broader discipline of history. This reading seminar provides an understanding of the methodological and theoretical parameters of this new and exciting historical direction.

HIST 517 Islam in Contemporary Perspective (5)
Prerequisite: permission of the instructor.
The course briefly considers the historical rise of Islam as a set of social, cultural, religious and political practices and then delves deeper into how these beliefs, traditions and practices interact with the contemporary, globalized world. In addition, the course examines and critiques conventional notions of Islam in order to find ways to create bridging dialogues between Muslim and non-Muslim communities.

HIST 527 Comparative Social History (5)
Prerequisite: permission of the instructor.
A graduate seminar focused on the sources and methods used to understand the historical significance of ordinary people's lives.

HIST 530 Latin American History (5)
Prerequisite: permission of the instructor.
Readings on problems in Latin American History from colonial times, with the object of expanding the student's understanding of factual material as well as interpretation and bibliography.

HIST 532 American Colonial and Revolutionary History (5)
Prerequisite: permission of the instructor.
A survey of problems of research and interpretation in American History to 1783.

HIST 534 19th Century America (5)
Prerequisite: permission of the instructor.
A survey of problems of research and interpretation in the era from Jackson through Reconstruction, with the objective of preparing the student to conduct original research in the field.

HIST 536 Contemporary American History (5)
Prerequisite: permission of the instructor.
Readings in selected topics relating to contemporary America.

HIST 538 History of the American West (5)
Prerequisite: permission of the instructor.
The participants in this readings course will be expected to investigate and analyze original documents and secondary accounts.

HIST 540 Women in U.S. History (5)
Prerequisite: permission of the instructor.
Readings and problems in the history of women in the United States. The course is designed to prepare students for more specialized research in the field.

HIST 542 Public History (5)
Prerequisite: permission of the instructor.
Research using regional public and private collections to prepare both the general historian and the urban and regional planner for service in the fields of local history, museology and historic preservation. Required of students in the public history field.

HIST 544 Digital History (5)
Readings on developments in the digital turn of history, preparing students to be historians in the 21st century.

HIST 546 Cultural Resource Management (5)
This course will acquaint students with cultural resources management through reading, completion of projects and written assignments.

HIST 548 Introduction to Archives (5)
This course will provide a historical background to archival administration as practiced in the United States.

HIST 550 Graduate Research Seminar (5)
Prerequisites: HIST 501 or permission of the instructor.
The research seminar introduces graduate students to advanced techniques in primary source research in history. With guidance from the instructor and appropriate faculty members, students must find a suitable topic for research, complete with a historiographical justification. Students must conduct primary source research on their topic with special focus on printed sources—periodicals, newspapers, diaries and manuscripts—available through interlibrary loan. Students will prepare a historiographical essay, an annotated bibliography and a detailed outline of their project. Moreover, students must give evidence of substantial research in the relevant primary sources.

HIST 590 Historical Writing and Editing (5)
This course sharpens students' research and writing skills and leads them into the realm of actual writing, editing and typesetting of historical articles for publication. The key feature of the class is a hands-on approach to historical publication.

HIST 596 Experimental Course (1–5)
HIST 597 Workshops (1–5)
Note: only one workshop course for up to 3 credits may be used to fulfill graduate degree requirements.

HIST 598 Graduate Writing Seminar (5)
Prerequisites: HIST 550 and permission of the instructor.
Writing seminar involving presentation and critique of research papers.

HIST 599 Independent Study/Reading (1–5)
Prerequisite: permission of the instructor, department chair and college dean.

HIST 600 Thesis (1–15)
Prerequisites: MA candidacy and permission of the instructor, department chair and college dean.
A bound research study conducted as partial fulfillment of a master's degree under the direction of a graduate committee.

HIST 601 Research Project (1–15)
Prerequisites: MA candidacy and permission of the instructor, department chair and college dean.
A research study in lieu of a bound thesis conducted as partial fulfillment of a master's degree under the direction of a graduate committee.

HIST 694 History Internship (2–5)
Note: graded Pass/No Credit.
Prerequisite: permission of the department chair.
This program will stress application of history to potential vocational opportunities by providing supervised work experiences in cooperating agencies. Internships may be created in several fields; one such program will be a museum internship; others may be created in archives and libraries.
The Honors Program cultivates excellence in undergraduate education by providing enhanced educational opportunities to superior students and special teaching opportunities to outstanding faculty. Honors courses and Honors activities seek to develop thorough knowledge and appreciation of the liberal arts and sciences; cultivate excellent writing, calculation and critical thinking skills; and inspire an attitude of self-responsibility, lifelong intellectual development and engagement with the world. Admission to Honors at Eastern is based entirely on demonstrated qualifications and potential.

Recognition as an Honors scholar is beneficial to students who apply for admission to graduate or professional schools; it also strengthens applications for employment. Participation in Honors gives academically accomplished students the opportunity to develop and apply their talents by providing closer interaction among faculty and peers. Honors students delve more deeply into their major disciplines and gain a broader perspective of their personal roles in society. Participation in the program shows that students are serious about learning; therefore, they receive special attention. Faculty members honor this commitment by providing special courses, individualized instruction, and special advisors.

University Honors has both general and departmental honors components.

**General Honors** emphasizes academic excellence in liberal arts curriculum areas. These freshman Honors Sequence courses (HONS 101, HONS 102, HONS 103, HONS 104) are interdisciplinary in nature and satisfy six of the General Education Core Requirements.

**University Honors** upper-division courses encourage Honors students to consider their own fields of study from the perspective of a broader cultural framework. These courses are offered for transfer students, sophomores, juniors and seniors.

**Departmental Honors** emphasizes excellence in one of the academic disciplines.

**Financial Assistance**
Qualified freshmen and transfer students have an excellent chance to receive one of several scholarships: the Killin, Academic Honors, Scholastic Honors four-year scholarships, or the two-year Transfer Honors Award. These awards are specifically for the academically accomplished. Contact Honors staff for additional information.

Other criteria include class rank, letters of recommendation from teachers or counselors, and personal interviews. Special consideration is shown to students who have participated in honors programs while in high school or community college. National Merit Semi-finalists or Finalists, National Achievement Semi-finalists or Finalists and National Achievement Commended students are automatically eligible. Students not admitted to the Honors Program upon initial enrollment may be accepted no later than the middle of their junior year. These students must have a college GPA ≥3.3.

**To apply**
Incoming freshmen and transfer students with a GPA ≥3.6 and superior test scores complete the EWU General Scholarship Application. A letter of recommendation from an instructor or counselor and a brief statement of academic interest are sent directly to the Honors Program.
Honors Courses

Terms offered: fall, winter, spring, summer (FWSU). If no terms are indicated, check with the department or EagleNET.

HONS 101 The Intellectual Tradition: The Ancient World (8) Prerequisite: GE CR as one humanities course.
Satisfies: GE CR as one humanities course and one social sciences course. Introduces major ideas of Western and Eastern thought—ideas that find expression in great works of ancient literature, philosophy, history, drama, art and science. Readings, class discussions and written assignments help provide understanding of these ideas through close, detailed study of important primary texts and through reading of secondary works that establish historical and cultural background for the primary texts.

HONS 102 The Intellectual Tradition: Middle Ages through the Reformation (8) W Prerequisite: GE CR as one humanities course and one social sciences course.
Satisfies: GE CR as one humanities course and one social sciences course. Introduces major ideas of Western thought during the Middle Ages through the Renaissance and Reformation—ideas that find expression in great works of literature, philosophy, history, drama, art, music and science. Readings, class discussions and written assignments help provide understanding of these ideas through close, detailed study of important primary texts and through reading of secondary works that establish historical and cultural background for the primary texts.

HONS 103 Modern Science and Society (8) S Prerequisite: GE CR as one social sciences course and with HONS 104 satisfies one natural sciences course.
Satisfies: GE CR as one social sciences course and with HONS 104 satisfies one natural sciences course. Introduces major ideas of natural and social scientists of the 19th and 20th centuries. Readings, class discussions and written assignments help provide understanding of these ideas through close, detailed study of important primary texts and through reading of secondary works which establish historical and cultural background of the primary texts.

HONS 104 Honors Natural Science Lab (1) S Note: the completed sequence of HONS 103 and 104 satisfies the GE CR as one natural science course and HONS 104 alone satisfies one social sciences course.
Prerequisite: HONS 103 (must be taken concurrently).
The Honors Lab employs the scientific method to investigate and process physical, statistical and technological change in discrete cultural settings. Opportunities for individual research provided.

HONS 213 Art in the Humanities (5) Cross-listed: ART 213, HUMN 231.
Satisfies: GE CR for humanities and fine arts, list 2, fine arts. A survey of cultural interrelationships of the arts, emphasizing the visual arts of painting, sculpture and architecture.

Satisfies: GE CR as one humanities course and one social sciences course.
An interdisciplinary survey of African American culture beginning with ancient African history and traditions through contemporary issues in the African American experience. Attention given to basic principles of history, sociology, political science, economics and the arts in the study of the dynamics of the African American culture.

Satisfies: GE CR as one humanities course and one social sciences course.
Examines the African American experience from African civilizations in the 4th century AD through slavery to the end of the Reconstruction era in the United States.

Satisfies: GE CR as one humanities course and one social sciences course, list 3, history.
The study of American history from the perspective of the African American experience since the end of the Reconstruction era.

HONS 298 Honors Courses (3–5) Subject matter varies according to faculty and student interest.

HONS 301 Classical Ethics and Rhetoric (4) Prerequisite: junior standing and admissions to the Honors Program or instructor’s permission.
A review and elaboration of some of the key philosophical systems and communication strategies of classical western culture (Greek and early Christian).

HONS 311 Social and Political Philosophy (5) Cross-listed: PHIL 311.
Prerequisite: successful completion of ENGL 101.
Major political theories and analysis of arguments that attempt to justify actual or proposed political and social institutions.

HONS 312 Philosophy of Religion (5) Prerequisite: successful completion of ENGL 101.
Philosophical problems with religion and theology. Typical problems concern the existence of God, God’s relation to evil, the immortality of the soul, the meaning of religious language and the criteria of theological faith.

Satisfies: international studies university graduation requirement. A survey of African history from prehistory to the present. Emphasizes earlier Farican civilizations, extensive contact with the outside world and the formation of African nations.

HONS 320 History of Ancient Western Philosophy (5) Cross-listed: PHIL 320.
Prerequisite: successful completion of ENGL 101.
The history of Greek philosophy from the first theories about the causes of the universe to the Socratic inquiry about how to live and to Plotinus’ theory of the soul.

Prerequisite: ENGL 101, 16th–18th century European philosophy against the background of religion and science. The main theme is the relation of knowledge to reason and experience.

HONS 322 History of Contemporary Western Philosophy (5) Cross-listed: PHIL 322.
Prerequisite: successful completion of ENGL 101.
This course is a survey of the major European and American schools of the 19th and 20th century philosophy. Course material includes German idealism, existentialism, utilitarianism, Marxism, pragmatism, feminism, logical positivism and post-modernism.

HONS 331 Chinese Philosophy (5) Cross-listed: PHIL 331.
Prerequisite: successful completion of ENGL 101.
Confucius’ humanistic ethics, the naturalistic philosophy of Taoism and Buddhism—especially the Zen Buddhist method of enlightenment.

HONS 342 Tribes, Bands, and Chiefdoms (5) Cross-listed: ANTH 342.
Satisfies: international studies university graduation requirement. Approaches to understanding non-state societies and an examination of how their cultures contrast with each other and with our own way of life.

HONS 349 Major Civilizations of Asia (5) Cross-listed: ANTH 349.
Satisfies: international studies university graduation requirement. An ethnographic survey of contemporary cultures of Central and South America, including both aboriginal and peasant societies. Emphasis is placed on the merging and clashing of European, Indian and African, rich and poor and the continuing character of these conflicts into the present.

HONS 350 Medical Anthropology (5) Cross-listed: ANTH 350.
Satisfies: international studies university graduation requirement. This course offers an understanding of the anthropology of medicine, curing versus healing, the concept of biomedicine and its role in today’s world and other perspectives on medicine and medical practice. A review of folk and professional medical systems will be included.

Satisfies: international studies university graduation requirement. This course explores the alternative models available for understanding rapid cultural change in a worldwide array of postcolonial countries. Emphasis is placed on the historical origins of ethnic, nationalist and class conflict in local regions as studied by anthropologists. Opportunities are made available for pursuing students’ regional interests.

HONS 393 Technology in World Civilization (4) Cross-listed: TECH 393.
Prerequisite: ENGL 101.
Satisfies: international studies university graduation requirement. Students will investigate the issues surrounding technological change in discrete cultural settings with a historical perspective of the evolution of technology in a global context.

HONS 398 Honors Courses (3–5) Subject matter varies according to faculty and student interest.

HONS 400 Special Periods in the History of Philosophy (5) Cross-listed: PHIL 400.
Prerequisite: ENGL 101.
Intensive study of a period in the history of philosophy that is not included in the 320–322 sequence.
HONS 415  History of Ancient Art (5)  
Cross-listed: ART 415.  
Prerequisites: ENGL 101; ART 213/HONS 213/HUMN 213 (may be taken concurrently).  
This course is a survey of early styles of art in Western civilization, including Egypt, the Near East, Greece and Rome.

HONS 417  History of Medieval Art (5)  
Cross-listed: ART 417.  
Prerequisites: ENGL 101; ART 213/HONS 213/HUMN 213 (may be taken concurrently).  
This course is a survey of painting, sculpture, architecture and craft art in Europe from the Early Christian period through the Gothic age (ca. 400–1400 AD).

HONS 420  History of Renaissance Art (5)  
Cross-listed: ART 420.  
Prerequisites: ENGL 101; ART 213/HONS 213/HUMN 213 (may be taken concurrently).  
This course includes discussion of painting, sculpture and architecture of Renaissance Europe from the 14th through the 16th centuries, including a comparison between Italian and Northern styles.

HONS 422  History of Baroque and Rococo Art (5)  
Cross-listed: ART 422.  
Prerequisites: ENGL 101; ART 213/HONS 213/HUMN 213 (may be taken concurrently).  
This course presents European Art between 1600 and 1750, with attention to the interrelation between the visual arts of painting, sculpture and architecture and other areas of cultural development—music, drama, literature and philosophy.

HONS 423  Art of the 19th Century (5)  
Cross-listed: ART 423.  
Prerequisites: ENGL 101; ART 213/HONS 213/HUMN 213 (may be taken concurrently).  
This course is a survey of painting, sculpture and architecture in 19th century America and Europe, covering such movements as Neoclassicism, Romanticism, Realism and Impressionism.

HONS 430  History of Modern Art (5)  
Cross-listed: ART 430.  
Prerequisites: ENGL 101; ART 213/HONS 213/HUMN 213 (may be taken concurrently).  
This course is a survey of major art forms, including architecture, from French Impressionism (ca. 1865) to the present. Emphasis will be on identifying the origins and tracing the development of 20th century styles.

HONS 435  Major Authors in the History of Philosophy (5)  
Cross-listed: PHIL 435.  
Note: repeatable for credit with different authors.  
Prerequisite: successful completion of ENGL 101.  
Intensive study of a single major philosopher.

HONS 439  Honors Seminar (1–5)  
Prerequisite: permission of instructor.  
This course is a variable topics course exploring current interests and research of participating faculty.

HONS 450  Cultural Ecology (5)  
Cross-listed: ANTH 450.  
Satisfies: international studies university graduation requirement.  
The relationship between man, nature and culture is contrasted in food collecting, simple farming and technologically more complex cultures.

HONS 454  Myth, Magic and Ritual (5)  
Cross-listed: ANTH 454.  
This course explores myth, magic and ritual as they relate to religion, philosophy and science, both in western and non-western, urban and non-urban contexts.

HONS 458  Fair Trade, Coffee and Social Justice (2)  
Cross-listed: ANTH 458.  
This class explores the Fair Trade movement, using coffee as a lens. Topics include how the Fair Trade system has worked, debate over the Fair Trade system as a social movement and an alternative market.

HONS 495  Honors Internship (1–5)  
Prerequisite: permission of the instructor, department chair and college dean.

HONS 499  Independent Study (1–5)  
Prerequisite: permission of the instructor, department chair and college dean.
This country will not be a permanently good place for any of us to live in unless we make it a reasonably good place for all of us to live in.

Theodore Roosevelt, 26th US President (1858–1919)
Faculties: varies

**UNDERGRADUATE PROGRAMS**

Study of the humanities is distinguished by an interest in the human aspect of all knowledge. The humanities are therefore broad in nature and a variety of individual programs can be designed for students who want a non-vocational, liberal arts background.

Each student majoring in humanities is expected to give careful attention to the relationships among the courses chosen for major and supporting purposes and he or she should consult with the program coordinator frequently regarding the most effective means for achieving a synthesis.

The following distribution requirements are expected to meet the needs of most students; other patterns may be developed with approval of the program coordinator. In addition to the courses listed below, individual study of the classical languages, Greek and Latin, may be arranged.

The Humanities program offers two minors—a 20 credit minor in Humanities proper and 21–25 credit minor in Religious Studies.

Required courses in the following programs of study may have prerequisites. Reference the course description section for clarification.

**BACHELOR OF ARTS (BA)**

**Student Learning Outcomes—students will:**

- learn to distinguish basic forms and strategies of philosophy, literature and at least one of the arts and of the social sciences;
- recognize significant steps in the development of Western Civilization, not only how values have developed internally, but also the ways in which new values have entered the culture from other civilizations;
- write clear and effective English in a variety of rhetorical contexts;
- use the different areas and functions of a library and demonstrate practical use of information resources in simple but independent research;
- learn how useful interpretations arise from differing experiences and information, especially from those who are different in age, abilities, ethnicity, gender or sexual orientation;
- learn the values of intellectual honesty, personal responsibility and the habits of active rather than passive learning.

**HUMANITIES MAJOR (64 CREDITS MINIMUM)**

64 credits must be earned in courses not used for GECRs

*Note: two years of a single high school foreign language or one year of a single college level foreign language is required.*

**Required Courses**

- Fine Arts—select two or three courses from the following (10 credits)
  - Art Department and/or
  - Music Department and/or
  - Theatre Department
- Literature—select two or three courses from the following (10 credits)
  - English Department and/or
  - Modern Languages and Literatures Department and/or
  - Humanities
- Philosophy—select at least two courses from the following (10 credits)
  - Department of Philosophy and/or
  - Humanities
- Social Sciences—select two or three courses from the following (10 credits)
  - Geography/Anthropology Department (courses in anthropology) and/or
  - Economics Department and/or Government Department and/or
  - History Department and/or Psychology Department and/or Sociology Department

**Electives required in the major (20 credits)**

Select any humanities courses not used for General Education Core Requirements

These courses may be taken from the participating departments’ offerings or from the Humanities program itself. Consult with the program coordinator.

- HUMN 491 Senior Thesis (4)
- ITGS 400 Interdisciplinary Senior Capstone (4)

**Required fine arts credits** 10 credits

**Required literature credits** 10 credits

**Required philosophy credits** 10 credits

**Required social science credits** 10 credits

**Elective credits** 20 credits

**Senior thesis/capstone** 4 credits

**Total credits for above major** 64 credits

*Note: Because the above is an interdisciplinary major, all students are required to consult with the program coordinator when selecting courses for the above major. Humanities courses emphasize analysis, history and theory of a subject. Practicums, workshops, internships, studio and applied courses are usually not applicable.*

**MINOR**

**HUMANITIES MINOR (20 CREDITS)**

A Humanities minor is designed for students who wish to broaden and deepen their understanding and skills in selected areas of the traditional liberal arts.

**Required Courses (20 credits)**

- 20 credits in addition to courses used for GECRs

**Select in at least two of the following three areas**

- Fine Arts—Literature—Philosophy

1. Select 5 credits, elective, in one of the three areas listed above or in another area of study (e.g., social sciences).
2. At least 10 credits must be at the 300 level or above.
3. No more than 10 credits may be counted from any one department except HUMN.
4. Students should seek prior approval of the program coordinator for course selections.
5. Humanities courses emphasize analysis, history and theory of a subject.
6. Practicums, workshops, internships, studio and applied courses are usually not applicable.

**Total credits for above minor** 20 credits
HUMN 202 Theatre in the Humanities (5)
Satisfies: GECR for humanities and fine arts, list 2, fine arts.
Elements of theatre, dramatic structure, types and styles; tradition, values and ideas of the theatre and humanities' relationship to it.

HUMN 210 Classics in Literature (5)
Satisfies: GECR for humanities and fine arts, list 1, literature.
Studies works generally considered among the best and most typical of the early (e.g., Hebrew and Greco-Roman) expressions of Western culture and traditions. Discusses the development of specific themes and ideas (e.g., humanism) as they are found in several different works.

HUMN 211 Masterpieces of the Western World (5)
Satisfies: GECR for humanities and fine arts, list 1, literature.
Literary works from the Early Middle Ages through the Renaissance which illustrate themes and ideas central to Western culture, especially the interaction of faith and individualism.

HUMN 212 Music in the Humanities (5)
Cross-listed: MUSC 202.
Satisfies: GECR for humanities and fine arts, list 2, fine arts.
This course is a survey with primary focus on Western classical music in terms of humanistic development with emphasis on musical style and structure and relations with the other arts.

HUMN 213 Art in the Humanities (5)
Cross-listed: ART 213, HONS 213.
Satisfies: GECR for humanities and fine arts, list 2, fine arts.
A survey of cultural interrelationships of the arts, emphasizing the visual arts of painting, sculpture and architecture.

HUMN 214 African American Culture and Expressions (5)
Cross-listed: AAST 214, HONS 214.
Satisfies: cultural and gender diversity university graduation requirement.
An interdisciplinary survey of African American culture beginning with ancient African history and traditions through contemporary issues in the African American experience. Attention given to basic principles of history, sociology, political science, economics and the arts in the study of the dynamics of the African American culture.

HUMN 215 Introduction to Religion (5) FWSU
Satisfies: GECR for humanities and fine arts, list 3, philosophy and reasoning.
An introduction to the range of basic conceptual, historical, comparative, cultural and methodological issues in religion.

HUMN 270 Great World Views (5)
Satisfies: GECR for humanities and fine arts, list 3.
An analyses of selected writings from the viewpoint of what is said about human nature, the scheme of things and man's place in that scheme. Emphasis on rational reflection and the relation of various philosophies to the life and conduct of the student.

HUMN 290 Arts and Ideas (5)
Note: normally offered in summers only.
Satisfies: any one of the three Humanities and Fine Arts areas in the General Education Core Requirements (List 1, 2, or 3).
This course traces the development of basic ideas and values in Western culture during the Renaissance—e.g., individualism and technical innovation. Special focus is placed on similar ideas and techniques found in the art, music, theater, literature and philosophy of the period, with frequent guest presenters from different fields of study.

HUMN 298 Seminar (1–5)
HUMN 299 Individual Study (1–5) FWSU
Prerequisite: permission of the instructor, department chair and college dean.
Special humanities studies vary according to faculty and student interests.

HUMN 303 Survey of Theatre History (5)
Cross-listed: THTR 303.
Prerequisite: THTR 202 or upper class standing.
Surveys the major periods of Western theatre from Greek to modern trends.

HUMN 310 Issues in Women's Studies (4)
Cross-listed: WMST 310.
Satisfies: cultural and gender diversity university graduation requirement.
Analyzes causes and effects of sexual stereotypes and surveys new scholarship through women's studies in psychology, economics, female biology, history, literature and others.

HUMN 311 African and African American Art History (5)
Cross-listed: ART 311.
Satisfies: cultural and gender diversity university graduation requirement.
Surveys visual arts from prehistoric Africa to the modern African American artist.

HUMN 315 East-West Philosophies and Religions (5)
Satisfies: international studies university graduation requirement.
Comparative study of the world's theological systems in their philosophical, historical and ethical contexts.

HUMN 320 The Human Prospect (5)
Cross-listed: BIOL 320.
Prerequisite: sophomore standing.
Satisfies: international studies university graduation requirement.
Explores the biological and philosophical roots of humans' relationship with the environment.

HUMN 381 Nationalism and Racism in Central European Film (4)
Cross-listed: WMST 410.
Prerequisite: ENGL 201.
Satisfies: international studies university graduation requirement.
This course provides the basic elements of film analysis and examines the depictions of national socialism, racism and the legacy of the Nazi past in German-speaking films by German and other Central European directors from the 1970s to the present. Evaluating criteria will differ depending on whether the course is taken for German or Humanities credit.

HUMN 410 Feminist Theory (4)
Cross-listed: WMST 410.
Prerequisite: one course in or cross-listed with Women's and Gender Studies.
Satisfies: cultural and gender diversity university graduation requirement.
This course consists of a theoretical examination of gay, lesbian, bisexual and transgender identities. The course material will include texts from queer theory and a wide variety of academic disciplines.

HUMN 440 Perspectives on Death (5)
Satisfies: international studies university graduation requirement.
Human awareness of death is unique, but the philosophical, religious and cultural response to it has been one of great variety. All human beings have dealt with the reality of death and the course will consider the most prevalent and meaningful perspectives.

HUMN 491 Senior Thesis (4) FWSU
Prerequisites: permission of the instructor and senior standing.
Satisfies: senior capstone university graduation requirement.

HUMN 499 Directed Study (1–5) FWSU
Prerequisite: permission of the instructor, department chair and college dean.

HUMN 499 Senior Thesis (4) FWSU
Prerequisites: permission of the instructor and senior standing.
Satisfies: senior capstone university graduation requirement.

HUMN 499 Directed Study (1–5) FWSU
Prerequisite: permission of the instructor, department chair and college dean.

HUMN 311 African and African American Art History (5)
Cross-listed: ART 311.
Satisfies: cultural and gender diversity university graduation requirement.
Surveys visual arts from prehistoric Africa to the modern African American artist.

HUMN 315 East-West Philosophies and Religions (5)
Satisfies: international studies university graduation requirement.
Comparative study of the world’s theological systems in their philosophical, historical and ethical contexts.

HUMN 320 The Human Prospect (5)
Cross-listed: BIOL 320.
Prerequisite: sophomore standing.
Satisfies: international studies university graduation requirement.
Explores the biological and philosophical roots of humans’ relationship with the environment.
Integrative Studies Courses

**ITGS 110**  
**FYE: Humanities (3)**  
Prerequisite: Freshman standing  
Satisfies: Students who complete this course will have one HUMANITIES requirement cleared, student's choice.

**ITGS 120**  
**FYE: Natural Science (3)**  
Prerequisite: Freshman standing  
Satisfies: Students who complete this course will have one NATURAL SCIENCE requirement cleared, student's choice.

**ITGS 130**  
**FYE: Social Science (3)**  
Prerequisite: Freshman standing  
Satisfies: Students who complete this course will have one SOCIAL SCIENCE requirement cleared, student's choice.

**ITGS 400**  
**Interdisciplinary Senior Capstone (4)**  
Note: Major advisors can inform students about their major senior capstone requirement.  
Prerequisite: Senior standing  
The Interdisciplinary Senior Capstone carries students from the academic community into civic life. The course assembles students into teams for studying problems which graduates will confront as citizens in the Pacific Northwest. It asks students individually and in collaboration with others to produce documents which address these problems by drawing from an array of disciplinary perspectives. The university offers this course as an option for completing the senior capstone graduation requirement, depending on the student's major.

In order to fly, all one must do is simply miss the ground.  
Douglas Adams (1952–2001)
Interdisciplinary programs using existing offerings from qualified departments may be arranged with the approval of the vice provost for Graduate Education and Research and a committee representing the fields of study involved. This committee, under the vice provost, provides the student with program advice and supervision.

Admission
Students applying for admission to a Master of Arts or Master of Science interdisciplinary degree program must follow the procedures for general admission to Graduate Studies as set forth previously in this catalog.

In addition, admission to an interdisciplinary degree program requires:

1. a GPA ≥3.0 for the last 90 graded quarter credits
2. an approved program proposal that has signatures of the faculty who have agreed to serve as advisors. The proposal form can be found at the Graduate Studies website, www.ewu.edu/grad.

Program Requirements
- minimum of 50 quarter credits
- no more than 12 credits at the 400 level
- no more than 12 credits of independent study (499 or 599)
- minimum of 20 credits in the major, including either a research project or thesis, and minimum of 15 credits in at least one minor field.

3. submission of the proposal to the vice provost for Graduate Education and Research or designee, listing the courses in the program of study and signed for approval by the department chair in the major field and each minor field (or graduate program director for fields not located within a single department);
4. inclusion in the proposal of a statement written by the student explaining how the proposed combination of courses comprises an interdisciplinary degree program and is not simply a combination of courses from multiple disciplines;
5. inclusion within the program of a project (variable credit) that integrates the various disciplines represented;
6. inclusion in the proposal of a research component.

Approval of the program by the vice provost for Graduate Education and Research or designee shall be forthcoming only after a meeting of the vice provost or designee and the student’s interdisciplinary faculty committee. A purpose of the meeting will be to clarify how the program is interdisciplinary and not simply a combination of courses from multiple disciplines.

The Interdisciplinary Program Review Committee (IPRC), a Committee to the Graduate Affairs Council, serves as the designee for the vice provost responsible for graduate studies and provides oversight and approval for graduate students submitting interdisciplinary program proposals.

The membership of the IPRC shall consist of three graduate faculty members appointed by the Graduate Affairs Council. At least one of the three Committee members must be a member of the Graduate Affairs Council.

The IPRC shall
- review interdisciplinary program proposals distributed to them by the Graduate Studies Office;
- meet with the student’s interdisciplinary faculty committee as required above;
- request and review any additional information or materials from the student or the student’s interdisciplinary faculty committee members that is deemed necessary for assessing the general academic rigor of the proposed program of study; and
- notify, in writing, the student, the student’s interdisciplinary faculty committee members, the Graduate Studies Office, the appropriate vice provost, and the Graduate Affairs Council of all Committee decisions regarding interdisciplinary program proposals.

The student’s Interdisciplinary faculty committee will consist of two or three graduate faculty members representing the disciplines with at least 15 credits in the program and will be chaired by a graduate faculty member from one of the fields represented who has the appropriate background to advise the student on the proposed interdisciplinary research. An oral comprehensive examination is required to complete an interdisciplinary graduate degree program.
INTERDISCIPLINARY STUDIES

John L. Neace, Senior Director  
300 Senior Hall  
509.359.6524

Faculty:  
varies according to degree program option.

UNDERGRADUATE PROGRAMS

The Interdisciplinary Studies Program offers students degree programs which provide a broad background applicable to a variety of careers. The program has three emphases: liberal arts, prior learning and interdisciplinary studies.

This program is intended to serve:

• students who prefer a broad liberal arts concentration (Liberal Arts);
• students who have acquired substantial specialized training and experience outside the academic classroom (Prior Learning);
• students who wish to complete an interdisciplinary option using two or three academic disciplines (Interdisciplinary).

BACHELOR OF ARTS (BA)

Student Learning Outcomes—students will:

• be prepared for career mobility and adaptability by selecting the appropriate academic concentration;
• select the program option to craft a degree plan to enhance career goals and objectives.

Required courses in the following programs of study may have prerequisites. Reference the course description section for clarification.

COURSE BY COURSE EVALUATION

The Course by Course Evaluation process is available for currently enrolled students, seeking to have their out-of-classroom learning evaluated by an academic department for specific course equivalency. The faculty establishes the evaluation criteria in order to determine the students learning which must be comparable to the content of the Eastern course being challenged. All challenges must be approved by the department chair. For more specific information contact the Department of Interdisciplinary Studies.

INTERDISCIPLINARY STUDIES: LIBERAL ARTS (60 CREDITS)

The Liberal Arts option is designed to give students a breadth of academic experience to enrich their lives and broaden their understanding of the human experience. Students participating in this program complete 60 upper division credits from the following three categories: Humanities, Sciences and Social Sciences. A 20/20/20 credit combination must be completed in these three breadth areas. These categories parallel the GE Crs but are broader categories and are not restricted to those particular departments and courses. These courses must be completed in addition to Eastern Washington University’s GECR Requirement. Final approval of the degree plan is required by the senior director of Interdisciplinary Studies.

Total credits for above major  
60 credits

Note:  
two years of a single high school foreign language or one year of a single college level foreign language is required.

INTERDISCIPLINARY STUDIES: PRIOR LEARNING (60 CREDITS)

This program is designed for the adult who comes to Eastern with professional or paraprofessional preparation and experience. Students design a 60-credit, upper-division emphasis that meets their specific goals and objectives. Specific courses are not required other than the Portfolio Development course (ITDS 300). This course enables the adult learner to translate experiential learning into elective credit through the development of a portfolio. Portfolios are submitted to faculty members who determine the credit award. A student may earn up to 45 elective credits for prior learning experience that can be applied only to the Interdisciplinary Studies degree. Portfolio assessment does require a fee. Please contact the Department of Interdisciplinary Studies for current fee.

Total credits for above major  
60 credits

Note:  
two years of a single high school foreign language or one year of a single college level foreign language is required.

INTERDISCIPLINARY STUDIES: ADDICTION STUDIES (67–72 CREDITS)

Addiction Studies (ADST) is an approved provider through NAADAC, The Association for Addiction Professionals. The ADST degree option provides students with the educational requirements necessary to become certified as a Chemical Dependency Professional in the state of Washington. Students who complete all state required courses for certification are eligible to take the NAADAC exam before completing other state requirements.

Our courses provide students with a theoretical knowledge base and practical skills for assessing the level of care needed for persons suffering from various addictive behaviors. The addiction field offers an excellent chance for graduates to make a significant impact on people and to help guide them toward healthy life styles.

Courses are prepared to provide students with

• knowledge to understand addictions and approaches to intervention, including assessment, treatment, relapse prevention, and case management;
• individual and group counseling skills and techniques;
• the tools to explore specific needs of individuals and groups including, women, youth, the elderly, adult children of alcoholics, people with concurrent disorders or other disabilities and people with process addictions.

Requirements

ADST 300 Survey of Alcohol/Drug Problems (4)
ADST 302 Counseling Theories for the Addiction Professional (4)
ADST 303 HIV/AIDS and Addiction Treatment (2)
ADST 308 Cultural Issues in Addiction Treatment and Behavioral Health (4)
ADST 410 Community Prevention Methods (4)
ADST 412 Physiology and Pharmacology of Addictions (4)
ADST 420 Alcohol/Drug Case Management (4)
ADST 430 Addiction Treatment with Families (4)
ADST 440 Alcohol/Drug Group Counseling (3)
ADST 442 Screening and Assessment for Co-Occurring Disorders (4)
ADST 460 Law and Ethics for Addiction Professionals (4)
ADST 462 Adolescent Addiction Assessment and Treatment (4)
ADST 464 Relapse Prevention (2)

Practicum Placement is available for students who are not currently working in addiction treatment.

Optional

ADST 350 Addiction Studies Practicum Seminar (1)
ADST 385 Practicum I (2)
ADST 485 Practicum II (2)

Students must complete a minimum of 20 additional upper division credits in a single approved subject area that is complementary to Addiction Studies.

One course each in Abnormal Psychology and Human Development are also required for state certification.

Additional requirements for Interdisciplinary Studies Bachelor of Arts approved Senior Capstone

Required program credits  
47 credits

Required additional upper division credits  
20 credits

Minimum total credits for above major  
67 credits
INTERDISCIPLINARY STUDIES: PHILOSOPHICAL STUDIES (60 CREDITS)

Note: two years of a single high school foreign language or one year of a single college level foreign language is required.

Required Courses (30 credits)
- PHIL 301 Introduction to Formal Logic (5)
- PHIL 320 History of Ancient Western Philosophy (5)
- PHIL 321 History of Modern Western Philosophy (5)
- PHIL 322 History of Contemporary Western Philosophy (5)

Students must also complete at least two 400 level philosophy classes that are listed in the catalog. These two classes must combine for at least 10 credits.

Capstone Requirement (4–5 credits)
All students must complete either ITGS 400 or any Senior Capstone class with their advisor’s approval.

Interdisciplinary Stream Electives (26–30 credits)
Students must complete at least 26–30 additional upper division credits from the classes designated in their respective stream. Students may count relevant classes not listed in the streams, including transfer credits, with their advisor’s approval.

Required philosophy credits
- 30 credits

Required senior capstone credits
- 4–5 credits

Elective credits
- 26–30 credits

Minimum credits for above major
- 60 credits

MAJOR IN INTERDISCIPLINARY STUDIES LEADING TO A MASTER OF OCCUPATIONAL THERAPY (MOT)

The Advanced Standing Master of Occupational Therapy program will allow a student to complete the requirements for an undergraduate degree while enrolled in courses required for the first year of the professional Occupational Therapy program. The student begins the occupational therapy track in the senior year, earns a Bachelor of Arts degree in Interdisciplinary Studies and applies to the Advanced Standing MOT program, which can be completed over the next one and half years. This program will introduce occupational therapy to undergraduate students early in their career development.

Admission to Combined Bachelor’s and Master of Occupational Therapy Program
The student first meets with the Admissions Coordinator of the Occupational Therapy Department for review of prerequisites, the course of study and a discussion of occupational therapy as a profession. A student pursuing a BA in Interdisciplinary Studies will be referred to the director of Interdisciplinary Studies for formal application.

Students interested in working toward a combined Bachelor’s and Master of Occupational Therapy should contact Carrie Walker, Admissions Coordinator, Department of Occupational Therapy, Eastern Washington University, 310 N. Riverpoint Blvd., Box R, Spokane WA 99202-1675 or call 509.368.6560 or contact cwalker@ewu.edu.

Students interested in the Bachelor of Arts in Interdisciplinary Studies major are encouraged to meet with an advisor from the Department of Occupational Therapy during the sophomore year and no later than the spring of the junior year. During the first three years of the Interdisciplinary Studies major with an emphasis in Occupational Therapy, the student develops a course of study to address his or her interests, as well as meet university and interdisciplinary studies’ major requirements. Additionally, during this time, the student fulfills the prerequisite requirements for the Advanced Standing MOT.

Students who require advising in the Interdisciplinary Studies major with an emphasis in Occupational Therapy should contact John Neace, Director, Interdisciplinary Studies, 300 Senior Hall, Cheney, WA, 99004-2414 or call 509.359.6524 or jneace@ewu.edu.

Admission into the occupational therapy track is offered only one time per year with students beginning the program summer quarter. A group interview is required for admission into the occupational therapy track. The deadline for applications is the January 1st prior to the expected summer quarter admission. The department admission committee will review and evaluate all applicants’ admission materials and prerequisites. Check with the department for exact admission deadlines: 509.368.6560.

Occupational Therapy Track Admission Criteria
- Completion of 122 or more undergraduate credits and all general education requirements for EWU.
- Completion of all prerequisite courses for application to the occupational therapy track. All of the prerequisite courses must be completed prior to admission into the occupational therapy track.

Additional Requirements
The admissions process in occupational therapy is highly competitive. The requirements listed below are the minimum acceptable requirements to apply to the program and are not indicative of the competitive range of students generally accepted into the program.

The following are the minimum acceptable requirements:
- minimum cumulative GPA ≥3.0 in the last 60 graded quarter hours;
- minimum cumulative GPA ≥3.0 for all prerequisite courses with no course <2.5.

Students enrolled in the occupational therapy track must complete the schedule of courses in the MOT curriculum toward completion of a BA in Interdisciplinary Studies.

Note: see Occupational Therapy for the list of courses.

Note: A student may elect to discontinue the occupational therapy track and decide not to pursue the Master of Occupational Therapy. The student may complete the remaining 180 credits toward graduation in courses outside the occupational therapy curriculum and meet the graduation requirements for a Bachelor of Arts in Interdisciplinary Studies.

Interdisciplinary Study Courses

Terms offered: fall, winter, spring, summer (FWSU).
If no terms are indicated, check with the department or EagleNET.

ITDS 201 Portfolio Assessment (1–45)
Note: graded Pass/Fail
Experiential learning credit transcribed from Eastern Washington University faculty Portfolio Assessment.

ITDS 295 Contracted Learning (1–15)

ITDS 300 Portfolio Development (4)
Note: graded Pass/Fail
Prerequisite: permission of the instructor.
Significant prior learning is documented for evaluation and awarded elective academic credit.

ITDS 397 Workshops, Short Courses, Conferences (1–15)

ITDS 399 Directed Study (1–18)
Prerequisite: permission of the instructor, department chair and college dean.

ITDS 497 Workshops, Short Courses, Conferences (1–15)
INTERNATIONAL AFFAIRS  

Faculty: varies

UNDERGRADUATE PROGRAM

The International Affairs (IA) Program, housed in the Government Department, is designed for students interested in international politics and global languages and cultures. It offers a carefully integrated and relatively flexible interdisciplinary set of courses in the social sciences leading to the degree of Bachelor of Arts in International Affairs. The goal of this major is to provide students with a solid foundation in the liberal arts for employment and/or advanced study in an international field.

The program of study provides a choice of three concentrations: Global Security Processes, Global Socio-Economic Processes or Global Public Policy. These concentrations give students the opportunity to acquire a theoretically and historically grounded understanding of one significant process in which people and countries are currently engaged. IA students learn to consider issues broadly, to see interconnections among geographic regions, and to engage in critical and creative thinking about them. The IA major prepares students for employment, lifelong learning and life enrichment, and fits Eastern Washington University’s larger purpose of providing quality liberal arts education with meaningful career preparation.

All IA majors are strongly encouraged to pursue study abroad as part of their undergraduate education. The IA major culminates in a Senior Capstone seminar, in which students demonstrate their ability to master analytical approaches to the complex process of globalization and to apply those approaches to a specific issue or process related to globalization. This course thus brings to bear their acquired knowledge of world events and their critical thinking skills on an issue, process or region of significance to the particular student.

Students majoring in International Affairs will gain competency in current global relations scholarship and skills in research, writing and oral communication. Students will be prepared to go on to graduate study in a wide array of disciplines such as international studies, development, education, political science or law. They will also be well equipped for career opportunities in the public, private and non-profit sectors.

The International Affairs program, in conjunction with EWU’s Model United Nations and EWU’s chapter of the political science honor society, Pi Sigma Alpha, sponsors lectures, forums and debates on campus which encourage students to consider the integrated character of global and regional political, economic and social issues. IA students regularly participate in these clubs.

Required courses in the following programs of study may have prerequisites. Reference the course description section for clarification.

BACHELOR OF ARTS (BA)

Student Learning Outcomes—students will:

- apply social science research methods to at least one non-U.S. case study;
- demonstrate analytical and conceptual skills, reading skills, critical thinking and problem solving skills and be able to effectively apply those skill sets to political issues;
- identify and represent accurately the key ideas, people, historical events, social processes and government systems associated with various geographic regions around the world;
- apply critical thinking and problem solving skills to political issues and should utilize normative and empirical analysis tools in the study of national and international political realities;
- demonstrate awareness of racial, ethnic, gender and religious dynamics in historic and contemporary political questions;
- demonstrate mastery of and apply accurately key analytic concepts of the social sciences, to cases, states and regions around the world.

INTERNATIONAL AFFAIRS MAJOR

Core (41 Credits)  Note: no substitutions for core courses.

Required Disciplinary Foundation Courses (14 credits)
GOVT 203 Introduction to Comparative Politics (5)
GOVT 204 Introduction to International Politics (5)
INST 200 Global Issues (4)

Required Disciplinary Core Courses (22 credits)
GOVT 320 International Systems (5)
GOVT 321 International Organizations (5)
GOVT 322 International Political Economy (5)
GOVT 493 Portfolio Assessment (2)
INST 490 Senior Capstone: Globalization (5)

Methods Requirement (5 credits)
CSBS 310 Foundations of Social Behavioral Science Theory (5)
CSBS 320 Introductory Statistics for the Social Sciences (5)
GLOBAL SECURITY PROCESSES CONCENTRATION (54–56 CREDITS)

Note: this concentration requires the completion of a foreign language minor.

Concentration Electives (13–15 credits) cross-listed
(5 credits maximum from GOVT courses listed below)
- ANTH 342 Tribes, Bands and Chiefdoms (5)
- ANTH 336 Geographies of Conflict in... (5)
- GEOG 459 Political Geography (5)
- GOVT 323 U.S. Foreign Policy (5)
- GOVT 326 European Politics (5)
- GOVT 328 Politics of the People's Republic of China (5)
- GOVT 329 Politics of South Asia (5)
- GOVT 402 Topics in International Relations and Comparative Politics (5)
- HIST 306 Modern Europe (5)
- HIST 350 War and Society (5)
- HIST 382 20th Century Germany, From World Wars... (5)
- HIST 454 Diplomatic History of Europe, 1914 to the Present (5)
- HIST 481 History of American Foreign Relations from 1898 (5)

Core credits 41 credits
Concentration credits 13–15 credits
Minimum required credits for above concentration 54 credits

GLOBAL SECURITY PROCESSES CONCENTRATION (74–76 CREDITS)

Note: this concentration does not require the completion of a foreign language minor.

Required (5 credits)
- GOVT 323 U.S. Foreign Policy (5)

Required Government Supporting Course (5 credits)
- GOVT 326 European Politics (5)
- GOVT 327 Politics of Developing Nations (5)
- GOVT 328 Politics of the People’s Republic of China (5)
- GOVT 329 Politics of South Asia (5)
- GOVT 402 Topics in International Relations and Comparative Politics (5)

Remaining Concentration Electives (23–25 credits) cross-listed
- ANTH 336 Geographies of Conflict in... (5)
- HIST 336, GEOG 336
- ANTH 366 Revolution and Development in... (5)
- GEOG 459 Political Geography (3)
- HIST 306 Modern Europe (5)
- HIST 310 Imperial China (5)
- HIST 311 Colonialism and Nationalism in... (5)
- HIST 350 War and Society (5)
- HIST 351 Gender in the Century of Total War (5)
- HIST 360 History of Spain (5)
- HIST 382 20th Century Germany, From World Wars... (5)
- HIST 432 Modern Britain Since 1870 (5)
- HIST 435 British Empire Since 1850 (5)
- HIST 440 History of World War I (4)
- HIST 441 History of World War II (4)
- HIST 445 History of Modern Germany (5)
- HIST 454 Diplomatic History of Europe, 1914–Present (5)
- HIST 457 20th Century Russia (5)
- HIST 461 Colonial Latin America (5)
- HIST 464 History of Mexico (5)
- HIST 481 History of American Foreign Relations from 1898 (5)
- SOCI 485 Sociology of Revolution (5)

Core credits 41 credits
Concentration 33–35 credits
Total minimum credits for the major 74 credits

GLOBAL SOCIO-ECONOMIC PROCESSES CONCENTRATION (56 CREDITS)

Note: this concentration requires the completion of a foreign language minor.

Concentration Electives (15 credits) cross-listed
(5 credits maximum from GOVT courses listed below)
- ANTH 348 Peasant Societies (5)
- ANTH 320 Middle Eastern History and Culture (5)
- ANTH 366 Revolution and Development in... (5)
- ANTH 436 Politics of Culture: Israel and Palestine (5)
- CMST 440 Global Communications (5)
- ECON 200 Introduction to Microeconomics (5)
- ECON 201 Introduction to Macroeconomics (5)
- ECON 415 History of Economic Thought (5)
- ECON 417 Political Economy (5)
- ECON 421 Labor Economics (5)
- ECON 470 International Economics (5)
- ECON 474 International Finance (5)
- ECON 475 Economic Development (5)
- GOVT 326 European Politics (5)
- GOVT 327 Politics of Developing Nations (5)
- GOVT 328 Politics of the People’s Republic of China (5)
- GOVT 329 Politics of South Asia (5)
- GOVT 402 Topics in International Relations and Comparative Politics (5)
- HIST 306 Modern Europe (5)
- HIST 410 China in the 19th and 20th Centuries (5)
- HIST 416 Modern Japan (5)
- SOCI 362 Sociology of Politics (5)
- SOCI 485 Sociology of Revolution (5)

Core credits 41 credits
Concentration 15 credits
Minimum required credits for above concentration 56 credits

GLOBAL SOCIO-ECONOMIC PROCESSES CONCENTRATION (74–76 CREDITS)

Note: this concentration does not require the completion of a foreign language minor.

Required Government Supporting Courses (10 credits)
- GOVT 326 European Politics (5)
- GOVT 327 Politics of Developing Nations (5)
- GOVT 328 Politics of the People’s Republic of China (5)
- GOVT 329 Politics of South Asia (5)
- GOVT 402 Topics in International Relations and Comparative Politics (5)

Remaining Concentration Electives (23–25 credits) cross-listed
- ANTH 336 Geographies of Conflict in... (5)
- HIST 336, GEOG 336
- ANTH 366 Revolution and Development in... (5)
- GEOG 459 Political Geography (3)
- HIST 306 Modern Europe (5)
- HIST 310 Imperial China (5)
- HIST 311 Colonialism and Nationalism in... (5)
- HIST 350 War and Society (5)
- HIST 351 Gender in the Century of Total War (5)
- HIST 360 History of Spain (5)
- HIST 382 20th Century Germany, From World Wars... (5)
- HIST 432 Modern Britain Since 1870 (5)
- HIST 435 British Empire Since 1850 (5)
- HIST 440 History of World War I (4)
- HIST 441 History of World War II (4)
- HIST 445 History of Modern Germany (5)
- HIST 454 Diplomatic History of Europe, 1914–Present (5)
- HIST 457 20th Century Russia (5)
- HIST 461 Colonial Latin America (5)
- HIST 464 History of Mexico (5)
- HIST 481 History of American Foreign Relations from 1898 (5)
- SOCI 485 Sociology of Revolution (5)

Core credits 41 credits
Concentration 33–35 credits
Total minimum credits for the major 74 credits
GLOBAL PUBLIC POLICY CONCENTRATION (56 CREDITS)

Note: this concentration requires the completion of a foreign language minor.

Concentration Electives (15 credits)
- ECON 200 Introduction to Microeconomics (5)
- ECON 421 Labor Economics (5)
- ECON 450 Public Finance and Public Policy (5)
- ECON 474 International Finance (5)
- ECON 475 Economic Development (5)
- GOVT 333 Public Management (5)

Core credits: 41 credits
Concentration credits: 15 credits
Minimum required credits for above concentration: 56 credits

GLOBAL PUBLIC POLICY CONCENTRATION (74–76 CREDITS)

Note: this concentration does not require the completion of a foreign language minor.

Note: credits must be taken from at least three of the disciplines listed.

Concentration Electives (33–35 credits)
- ECON 421 Labor Economics (5)
- ECON 450 Public Finance and Public Policy (5)
- ECON 474 International Finance (5)
- ECON 475 Economic Development (5)
- GEOG 450 Global Transportation Development (5)
- GEOG 459 Political Geography (3)
- GEOG 465 Urban Geography: Origins, Forms and Functions (3)
- GOVT 333 Public Management (5)
- PLAN 261 Community Development (5)
- PLAN 430 Environmental Planning (5)
- PLAN 440 Land Use Planning (5)
- PLAN 442 Sustainable Communities (3)
- PLAN 476 Comparative Urbanization (4)

Core credits: 41 credits
Concentration: 33–35 credits
Total minimum credits for the major: 74 credits

International Affairs Courses

Terms offered: check with the department or EagleNET.

See course descriptions listed under the participating programs and departments: Anthropology, Communications Studies, Economics, Geography, Government, History, Modern Languages and Literatures and Sociology.

INST 200 Global Issues (4)
Satisfies: university graduation requirement international studies
A survey of important large-scale issues and conditions which are active in the contemporary world. Included are global perspectives of ecological issues as well as social/economic issues.

INST 380 Japan Today (4)
Cross-listed: JPN 380
Prerequisite: ENGL 201 or instructor permission.
Satisfies: international studies university graduation requirement.
A broad survey of contemporary Japan including society, culture, geography, government and economy. No knowledge of Japanese language is required.

INST 490 Senior Capstone: Globalization (5)
Cross-listed: GOVT 490
Prerequisite: GOVT 203 or 204 and senior standing or permission of instructor.
Satisfies: senior capstone university graduation requirement.
This course is a senior-level seminar designed to integrate and further refine the analytical, writing and presentation skills acquired as a Government or International Affairs major. Its premise is that any student of politics or international affairs should graduate a bachelor’s degree program with a refined sensibility of the concept (and varying realities) of globalization. The course covers case studies and theoretical analyses of the global dynamics of economic, cultural, religious, media and/or political relations, as well as the role of technological change in global processes. Students prepare and present an original, extensive case study and analysis of globalization processes, if possible relating to the student’s work as an IA or Government major.

INST 498 International Studies Senior Seminar (5)
Prerequisites: advanced class standing and permission of the instructor.
An advanced-level seminar dealing with issues relating to the formation, implementation and evaluation of policy in international undertakings.

JAPANESE

See MODERN LANGUAGES AND LITERATURES.
The things we admire in men, kindness and generosity, openness, honesty, understanding and feeling are the concomitants of failure in our system. And those traits we detest, sharpness, greed, acquisitiveness, meanness, egotism and self-interest are the traits of success. And while men admire the quality of the first they love the produce of the second.

John Steinbeck, novelist, Nobel laureate (1902–1968)
Students working toward the BA degree may either major or minor in journalism. Few careers demand a more varied body of knowledge than does journalism. Journalists today are constantly working with far-ranging and complex issues. The journalism curriculum at Eastern recognizes that the profession is both a discipline of its own and yet a fusion of many disciplines in our culture.

Program Admissions Requirements
Transfer students should contact a Journalism Program advisor during the application to the university. Freshmen and sophomores should try to complete their GECS during their first two years. They are encouraged to take JRNM 100 Easterner Staff during the fall. Freshmen and sophomores should contact the Journalism Program’s advisors to identify those courses needed to prepare for their selected degree option. Completion of ENGL 101 and ENGL 201 are required for admission to the Journalism Program. Because journalism courses build upon one another and most are not repeated during the year, it is recommended that students begin study in the fall.

The BA News–Editorial Option prepares students for roles in print and electronic journalism. The option in Public Relations provides students with the theoretical and applied knowledge and skills required to enter the field of public relations, community relations and allied disciplines.

Internships
Students completing the News–Editorial Option are encouraged to complete an internship. Those completing the Public Relations Option are required to complete an internship.

Required courses in the following programs of study may have prerequisites. Reference the course description section for clarification.

**BACHELOR OF ARTS (BA)**

Students working toward the BA degree may either major or minor in journalism.

**Student Learning Outcomes—students will:**
- write in both report and feature story forms;
- understand local government and the public policy process;
- be a critical and analytical observer of the American public policy process;
- know how to observe and write efficiently and clearly about public events and public issues.

**JOURNALISM MAJOR NEWS EDITORIAL OPTION (61–62 CREDITS)**

*Note: two years of a single high school foreign language or one year of a single college level foreign language is required.*

**Required Core Courses (44 credits)**
JRNM 100 Easterner Staff (3)
JRNM 330 Mass News Media (5)
JRNM 332 News Writing (5)
JRNM 333 Advanced News Writing (5)
JRNM 341 Reporting (5)
JRNM 349 Photojournalism (4)
JRNM 351 The Law of Journalism (4)
JRNM 442 Advanced Reporting (5)
JRNM 475 Editing and Publishing (4)
JRNM 490 Senior Capstone: Critical Writing (4)

**Choose from the following (5 credits minimum)**
JRNM 395 Internship (In-Service Training) (5)
JRNM 400 Easterner Staff Leadership (3)
JRNM 480 Non-Fiction Writing Projects (5)
JRNM 499 Directed Study (individual Journalism project) (5)

A minimum of 5 credits designed to extend the student’s practical expertise in some field of communication—to be selected in consultation with a Journalism advisor.

**Required Supporting Courses (4–5 credits)**
DESN 360 Publishing for Print and World Wide Web (4)
ENGL 459 Grammar for Teachers (5)
or ENGL 464 Grammar and Composition (5)

**Elective Courses (select a minimum of 8 credits)**
JRNM 334 Magazine Article Writing (4)
JRNM 451 Introduction to Public Relations Theory (4)
JRNM 452 Advanced Public Relations Theory (4)
JRNM 453 Public Relations Writing (4)
JRNM 470 Desktop Publication Design (4)
JRNM 480 Journalism Project (5)\(^1\)

**Required Minor**
The Journalism major candidate must earn a minor in some other field chosen with the approval of the Journalism advisor. All minors considered. The following minors are pre-approved: Business, Communication Studies, Computer Science, English, Government, History, Humanities, Psychology, Sociology, Urban and Regional Planning, Visual Communication Design.

**Required core credits**
49 credits

**Required supporting credits**
4–5 credits

**Elective credits**
8 credits

**Minimum credits for above major**
61 credits

*Note:* 1 This course is repeatable for credit.
*Note:* 2 Students may not use JRNM 480 to meet both the expertise requirement and an elective.

**BACHELOR OF SCIENCE (BS)**

**Student Learning Outcomes—students will:**
- know how to observe and write efficiently and clearly about public events and public issues, understand local government and the public policy process, be able to write in both report and feature story forms and be a critical and analytical observer of the American public policy process;
- develop expertise in analyzing public relations opportunities, issues and environments, learn how to research, prepare and execute public relations tasks and campaigns, develop skills for appropriately interacting with members of disparate publics, develop persuasive and analytical writing and other verbal skills, demonstrate professional behavior, including meeting deadlines, producing clean and well-organized work and being prepared for a variety of types of organizational assignments.

**JOURNALISM: PUBLIC RELATIONS (83–90 CREDITS)**

The Journalism Program participates in an interdisciplinary major in Public Relations. Requirements for the major, when taken under the Journalism Program, are listed below; requirements for a similar major, when taken under the Department of Communication Studies, are listed under that department. The major provides the graduate with the theoretical and applied knowledge and skills required to competently enter the field of public relations in either the profit or not-for-profit sectors.

**Required Courses (45 credits)**
CMST 350 Integrated Methods for Communication Research (5)
CMST 430 Communications in Organizations (5)
DESN 360 Publishing for Print and the World Wide Web (4)
JRNM 330 Mass News Media (5)
JRNM 332 News Writing (5)
JRNM 395 Internship (5)
JRNM 451 Introduction to Public Relations Theory (4)
JRNM 452 Advanced Public Relations Theory (4)
JRNM 453 Public Relations Writing (4)
JRNM 470 Desktop Publication Design (4)

**One of (5 credits)**
CMST 201 Public Speaking (5)
CMST 400 Message Design (5)

**One of (4–5 credits)**
JRNM 475 Editing and Publishing (4)
TCOM 409 Editing in Technical Communication (5)

**One of (4–5 credits)**
ART 304 Art of Photography (5)
DESN 350 Digital Imaging and Photography (4)
JRNM 349 Photojournalism (4)

Select three upper division English courses in consultation with Technical Communication faculty.

**Required program credits**
58–65 credits

**Required technical communication credits**
10 credits

**Required upper-division credits**
15 credits

**Minimum total credits for above major**
83 credits

*Note:* a minor in Technical Communication is recommended.
MINOR

JOURNALISM MINOR (18 CREDITS)

Required Courses (10 credits)
- JRNM 330 Mass News Media (5)
- JRNM 352 News Writing (5)

Electives (8 credits)
Select from upper-division Journalism courses.

Required credits 10 credits
Elective credits 8 credits
Total credits for above minor 18 credits

Journalism Courses

Terms offered: fall, winter, spring, summer (FWSU).
If no terms are indicated, check with the department or EagleNET.

JRNM 100 Easterner Staff (3) FWS
Notes: graded Pass/Fail; repeatable for up to 9 credits.
Prerequisite: permission of the instructor.
This course requires students to engage in reporting and editorial assignments on the staff of the university paper.

JRNM 299 Individual Study (1–3) FWS
Prerequisite: permission of the instructor.
This course engages students in the process of preparing and producing manuscripts and analysis of various markets with a view of selling articles.

JRNM 309 Grammar for Professionals (5)
Cross-listed: ENGL 309, TCOM 309.
Prerequisite: ENGL 201.
Many professionals continue to struggle with grammar and usage rules throughout their careers. In this course, students will refresh and improve their knowledge of English grammar, style and usage rules. They will develop confidence in using correct punctuation, capitalization and verb forms, and learn how to create and employ different types of sentence structures, becoming proficient at writing clear, correct sentences to communicate effectively with a variety of audiences.

JRNM 330 Mass News Media (5)
This course is a survey of scope, function, standards and career opportunities in mass news media.

JRNM 332 News Writing (5) FW
Prerequisite: ENGL 201.
This course covers the news gathering process and how to write basic news reports.

JRNM 333 Advanced News Writing (5) W
Prerequisite: JRNM 332; co-requisite JRNM 341.
This course engages students in the process of writing features, narratives and analyses.

JRNM 334 Magazine Article Writing (4) W
Prerequisite: JRNM 332 or permission of the instructor.
This course focuses on the development of article ideas, the preparation of manuscripts and analysis of various markets with a view of selling articles.

JRNM 341 Reporting (5) W
Prerequisite: JRNM 332; co-requisite JRNM 333.
In this course students gain a greater appreciation of public issues and controversies while exploring strategies for explaining these often complex issues to the general public.

JRNM 349 Photojournalism (4) S
In this course students learn to take photographs and study how photography illustrates newspaper, magazine and Internet news. The process of choosing and editing photographs for publication is analyzed.

JRNM 351 The Law of Journalism (4) F
Prerequisite: sophomore standing or permission of the instructor.
In this course students learn about laws pertaining to the profession of journalism. Topics include freedom of the press, libel, privacy and copyright.

JRNM 395 Internship (5–16) FWSU
Notes: may be repeated; permission of the instructor, department chair and college dean.
Students obtain real-world experience by spending one or more quarters working with professionals in the news media. These experiences may be with practitioners working at newspapers, radio, television, online news outlets or working in public relations with an organization.

JRNM 400 Easterner Staff Leadership (3)
Prerequisite: JRNM 100.
Students learn how to manage the publication of a student newspaper.

JRNM 442 Advanced Reporting (5) S
Prerequisite: JRNM 332, 451 or permission of the instructor.
This course considers philosophical questions pertaining to news coverage. It also analyzes the judicial system as a topic of journalistic writing.

JRNM 451 Introduction to Public Relations Theory (4) F
Prerequisite: junior standing.
This course considers professional issues in mass media forms. Explores a broad range of concepts, elements, skills and impacts, including theory and applications; examines the role of public relations in business and society and as a profession.

JRNM 452 Advanced Public Relations Theory (4) W
Prerequisite: JRNM 451 or permission of the instructor.
Applies journalism, communications and public relations theories and skills to case study examples in organizations and communication environments.

JRNM 490 Critical Writing (4)
Prerequisite: JRNM 332, 341, senior standing.
This course involves both classroom instruction and written assignments. Students learn how to focus and structure an argument and strengthen their commentary.

JRNM 497 Workshop, Short Courses, Conferences (1–5) FWSU

JRNM 498 Seminar in Journalism Problems (1–5) FWSU

JRNM 499 Directed Study (1–5) FWS
Prerequisite: permission of the instructor.

JRNM 499 Directed Study (1–5) FWS

LINGUISTICS
College of Arts, Letters & Education • Department of English

Minor

LINGUISTICS MINOR (20 CREDITS)

**Required Courses (10 credits)**
- ANTH 445 Anthropological Linguistics (5)
  or ENGL 360 Language Structure and Use (5)
- ENGL 459 Grammar for Teachers (5)

**Electives (10 credits minimum)**
- ANTH 446 Sociolinguistics (3)
- ENGL 460 Modern Grammar (5)
- ENGL 461 Survey of Psycholinguistics (3)
- ENGL 468 History of the English Language (5)
- Modern Languages and Literatures (5 credit maximum)—see Note below.

<table>
<thead>
<tr>
<th>Required credits</th>
<th>10 credits</th>
</tr>
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<tbody>
<tr>
<td>Elective credits</td>
<td>10 credits</td>
</tr>
<tr>
<td>Minimum credits for above minor</td>
<td>20 credits</td>
</tr>
</tbody>
</table>

*Note:* 1–5 credits in language courses, as approved by the program advisor, may be applied toward meeting the requirements of the linguistic minor.

Courses

See course descriptions listed under participating programs and departments: English, Anthropology, Modern Languages and Literatures.
If I were to awaken after having slept for a thousand years, my first question would be: has the Riemann hypothesis been proven?  
David Hilbert (1862–1943)
Mathematics is both an art and a science: it has the unique feature that, while it is typically studied for its own sake, throughout history its results have been crucial in the advancement of other sciences. Presently there is a shortage of American mathematicians. Many professionals at the forefront of the behavioral, social, and pure sciences also must have a solid background in advanced mathematics.

Among the degrees offered by the department are Bachelor of Arts degrees in Mathematics or Mathematics with an Option in Computer Science, Economics or Statistics. These major programs are designed to prepare students for graduate work in mathematics or in related disciplines such as statistics or economics or to equip students for work in industry. The program leading to the BA in mathematics is especially strong and is unique within the region. The department strives to promote excellence; it fields teams for the Putnam competition and prepares students for actuarial exams. It also sponsors a chapter of the mathematical honorary society, Pi Mu Epsilon. Recent graduates are successfully pursuing doctoral work at top-level universities.

The other major programs offered by the department lead to the Bachelor of Arts in Education; the BAE can be earned in Secondary Mathematics Education or Elementary Mathematics Education. In addition, a student may earn a Middle Level Endorsement in Mathematics Education. The preparation of mathematics teachers is a major emphasis of the department. Seven department faculty members have expertise in mathematics education and experience teaching elementary, middle and/or high school mathematics. Employment opportunities for teaching mathematics at elementary, middle and secondary levels are substantial and expected to remain high for the foreseeable future.

The department’s mathematics education programs prepare future teachers by providing background in mathematics content, history of mathematics, teaching methods, learning theories, problem solving, the use of technology in teaching mathematics and current developments in curriculum. The secondary mathematics education program is one of the strongest in the state and provides students with a mathematics background that approaches that of the BA in mathematics. Completion of a major in secondary mathematics education satisfies the current requirements for a secondary mathematics teaching endorsement (certificate) for the state of Washington. The elementary mathematics education program is unique in the state; it provides a balance of mathematics content and teaching methods courses to give prospective K–8 teachers a deeper background in mathematics and the teaching of K–8 mathematics. Graduates of this program have the background to be mathematics content specialists at the elementary school level. The middle level endorsement secondary or elementary program options meet the state requirements for mathematics certification at the 4th through 9th grade levels.

The department has been strengthening its faculty and its faculty members are increasingly active in research. On occasion, undergraduates have been involved in research. Currently, faculty members are active in the areas of statistics, higher algebra, real and harmonic analysis, numerical analysis, complex variables, differential geometry, convexity, topology, biomathematics, computational neuroscience, mathematical physiology, reliability engineering, big data and time series analysis and in various areas of mathematics education including functions, number sense in primary children, construction of mathematical understanding, teachers’ mathematical knowledge for teaching, development of mathematics tasks, professional development of secondary mathematics teachers, and mathematical habits of mind.

An important function of the department is to provide services to students from a wide range of disciplines. Mathematics tutoring labs provide employment for high-achieving students and assistance to students in all mathematics courses.

In addition, computers equipped with mathematics software and tutorials are used in conjunction with several courses offered by the department and allow students the practice needed to be successful in their mathematics courses.

General Admissions Requirements for Mathematics
High school students who want to pursue a major in this department (except the BAE elementary mathematics) should complete four years of high school mathematics, which includes two years of algebra, one year of geometry and one year of pre-calculus mathematics. All prospective department majors should contact the Department of Mathematics office as soon as possible after being admitted to EWU to obtain an advisor and to plan a program of study.

Transfer students should contact their counseling office or the EWU Department of Mathematics to identify appropriate lower-division and major/minor preparatory courses.

Placement Assessment Policy
All students admitted to Eastern Washington University without a direct transfer degree must take the mathematics placement assessment (ALEKS) prior to registering for classes at Eastern. The only exceptions are students who have received a score ≥ 3.0 on the College Board’s Advanced Placement Calculus AB or BC test and students who have received a grade ≥ 2.0 from a post-secondary institution in a course equivalent to the level of Intermediate Algebra or above.

EWU uses placement software called ALEKS to ensure success in mathematics. Placement assessment may be retaken once per cohort. Please refer to FAQ on the EWU math placement assessment site for complete information. For questions or more information contact the Department of Mathematics (math@ewu.edu or 509.359.6225).

Prerequisite Policy
Students must have earned a grade ≥ 2.0 or better in any course that is to be used to satisfy a prerequisite requirement for a subsequent mathematics course offered by the Eastern Washington University Department of Mathematics.

Academic Progress Policy for Math Majors and Minors
The intent of the Academic Progress Policy is to support Department of Mathematics declared majors and minors who experience difficulty in mathematics courses required in their programs. Department experience has shown that with very few exceptions, requiring a student who has failed to earn a grade ≥ 2.0 in a required mathematics course to meet with an advisor will be beneficial to the student in terms of maximizing the student’s academic performance and minimizing the expected time to graduation.

A mathematics student is any Eastern Washington University student who intends to complete a major or minor in mathematics; mathematics with an option in computer science, economics, or statistics; mathematics/secondary; or mathematics/elementary.

Mathematics students who fail to make at least a grade ≥ 2.0 in any mathematics course taken at EWU must review the circumstances with an academic advisor during the term following the failure. A letter from the student explaining the circumstances must be placed in the student’s file. Mathematics students failing to follow this procedure will not be allowed to enroll in subsequent mathematics courses.

Mathematics students who fail to make at least a grade ≥ 2.0 in mathematics courses taken at EWU on any two quarters during their undergraduate program must meet during the term following the second occurrence with a committee consisting of the student’s appointed advisor and two other members of the mathematics faculty: one designated by the department chair and one chosen by the student. The committee will review the circumstances including the letter submitted after the first occurrence and recommend one of the following actions:
1. the student be allowed to continue in the program without specific remediation;
2. the student be required to remediate specific deficiencies in a way prescribed by the committee.

**Faculty:**

<table>
<thead>
<tr>
<th>Barbara Alvin, Chair</th>
<th>216 Kingston Hall</th>
<th>509.359.6225</th>
<th><a href="mailto:balvin@ewu.edu">balvin@ewu.edu</a></th>
</tr>
</thead>
</table>

**Programs**

- **BA**
  - Mathematics
  - Economics
  - Statistics

- **BAE**
  - Elementary Mathematics Education
  - Secondary Mathematics Education

- **Minors**
  - Mathematics
  - Statistics

- **MS**
  - Mathematics
Mathematics students who fail to make at least a grade $\geq 2.0$ in mathematics courses in three quarters during their undergraduate program must again meet with a committee of at least three faculty members who will decide if the student will be allowed to continue in the program. Students who are dropped from mathematics programs may be reinstated only by demonstrating the capability of academic excellence and a commitment to complete an undergraduate program in a reasonable time frame. This demonstration must be made before a committee of at least three members of the mathematics faculty.

Mathematics students who are dropped from mathematics programs will not be allowed to take subsequent mathematics courses except for those courses required by another department in the student's major program. The Department of Mathematics will not submit a letter of recommendation for Professional Degree Candidacy for any student who has been dropped from departmental programs.

**Graduation Requirement**
Students must receive a grade $\geq 2.0$ in each mathematics course used to satisfy the requirements of an undergraduate major or minor in mathematics.

Required courses in the following programs of study may have prerequisites. Reference the course description section for clarification.

**BACHELOR OF ARTS (BA)**

**Student Learning Outcomes—students will:**
- demonstrate the ability to create and understand mathematical arguments and proofs;
- demonstrate the ability to communicate mathematical concepts both technically and non-technically;
- demonstrate the ability to use numerical and symbolic mathematical technology/software;
- demonstrate knowledge of mathematical applications in industry and the sciences.

**MATHEMATICS MAJOR (89 CREDITS)**

*Note:* two years of a single high school foreign language or one year of a single college level foreign language is required.

**Required Courses (52 credits)**
- MATH 161 Calculus I (5)
- MATH 162 Calculus II (5)
- MATH 163 Calculus III (5)
- MATH 225 Foundations of Mathematics (5)
- MATH 231 Linear Algebra (5)
- MATH 241 Calculus IV (5)
- MATH 360 or 460 Continuous Functions (4)
- MATH 431 Introduction to Modern Algebra I (4)
- MATH 432 Introduction to Modern Algebra II (4)
- MATH 461 Advanced Calculus I (4)
- MATH 462 Advanced Calculus II (4)
- MATH 494 Senior Seminar (2) (2.0 must be obtained for graduation)

Mathematics Electives—select six courses from the following (24 credits)
- MATH 345 Numerical Analysis I (4)
- MATH 347 Introductory Differential Equations (4)*
- MATH 385 Probability and an Introduction to Statistics (4)
- MATH 430 Advanced Linear Algebra (4)*
- MATH 435 Introduction to Modern Algebra III (4)*
- MATH 445 Numerical Analysis II (4)*
- MATH 447 Differential Equations (4)*
- MATH 470 Foundations of Geometry (4)*
- MATH 481 Complex Analysis (4)*
- MATH 485 Theoretical Probability and Mathematical Statistics (4)*

**Supporting Courses (13 credits)**
Courses satisfying this requirement must be selected from the following two lists, with at least 5 credits from List A and at least 8 credits from List B. Additional prerequisites may be required for List A courses. Please check computer science course descriptions for prerequisite listings.

**List A**
- CSCD 210 Programming Principles I (5)
- CSCD 211 Programming Principles II (5)
- CSCD 255 C Programming for Engineers (5)
- CSCD 305 C++ Programming (4)

**List B**
- CHEM 421 Physical Chemistry (4)
- CHEM 422 Physical Chemistry (3)
- CHEM 423 Physical Chemistry (3)
- CSCD 420 Automata (4)
- CSCD 501 Advanced Algorithms (5)
- ECON 430 Mathematical Economics (5)
- PHYS 151 General Physics I (4)
- PHYS 152 General Physics II (4)
- PHYS 153 General Physics III (4)

**Required program credits** 52 credits
**Mathematics elective credits** 24 credits
**Required supporting credits** 13 credits
**Total credits for above major** 89 credits
### Mathematics Major with Computer Science Option (100 Credits)

**Note:** Two years of a single high school foreign language or one year of a single college level foreign language is required.

**Required Courses (44 credits)**
- MATH 161 Calculus I (5)
- MATH 162 Calculus II (5)
- MATH 163 Calculus III (5)
- MATH 225 Foundations of Mathematics (5)
- MATH 231 Linear Algebra (5)
- MATH 241 Calculus IV (5)
- MATH 345 Numerical Analysis I (4)
- MATH 360 Continuous Functions
- MATH 400 Continuous Functions (4)
- MATH 385 Theoretical Probability and Mathematical Statistics (4)*
- MATH 494 Senior Seminar (2) (2.0 must be obtained for graduation)

**Required Supporting Courses: Computer Science (28 credits)**
- CSCD 210 Programming Principles I (5)
- CSCD 211 Programming Principles II (5)
- CSCD 240 C and UNIX Programming (5)
- CSCD 300 Data Structures (5)
- CSCD 320 Algorithms (4)
- CSCD 327 Relational Database Systems (4)

**Electives (28 credits)**
Select three courses from one of the following two categories and four courses from the remaining category (for a total of seven courses):

**Category 1**
- MATH 347 Introductory Differential Equations (4)*
- MATH 431 Introduction to Modern Algebra I (4)*
- MATH 445 Numerical Analysis II (4)
- MATH 447 Differential Equations (4)*
- MATH 485 Theoretical Probability and Mathematical Statistics (4)*
**Note:** Any other 4 credit computer science course numbered at or above 400 with the approval of the designated advisor for this degree.

**Category 2**
- CSCD 260 Architecture and Organization (4)
- CSCD 303 Compiler & Information Security (4)
- CSCD 305 C+ Programming (4)
- CSCD 340 Operating Systems (5)
- CSCD 344 Design Patterns (4)
- CSCD 370 Graphical User Interface Programming (4)
- CSCD 371 .NET Programming (4)
- CSCD 378 Web Application Development (4)
- CSCD 409 Scientific Programming (4)
- CSCD 420 Automata (4)
- CSCD 427 Advanced Database Systems (4)
- CSCD 429 Data Mining (4)
- CSCD 435 Principles of Programming Languages (4)
- CSCD 437 Secure Coding (4)
- CSCD 470 3D Computer Graphics Principles (4)
- CSCD 474 Computer Games Development (4)
- CSCD 487 Human Computer Interface (4)

**Note:** Any other 4 credit computer science course numbered at or above 400 with the approval of the designated advisor for this degree.

**Required Mathematics Credits (44 credits)**
- MATH 161 Calculus I (5)
- MATH 162 Calculus II (5)
- MATH 163 Calculus III (5)
- MATH 225 Foundations of Mathematics (5)
- MATH 231 Linear Algebra (5)
- MATH 241 Calculus IV (5)
- MATH 345 Numerical Analysis I (4)
- MATH 360 Continuous Functions
- MATH 400 Continuous Functions (4)
- MATH 385 Theoretical Probability and Mathematical Statistics (4)*
- MATH 494 Senior Seminar (2) (2.0 must be obtained for graduation)

**Required Computer Science Credits (28 credits)**
- CSCD 210 Programming Principles I (5)
- CSCD 211 Programming Principles II (5)
- CSCD 240 C and UNIX Programming (5)
- CSCD 300 Data Structures (5)
- CSCD 320 Algorithms (4)
- CSCD 327 Relational Database Systems (4)

**Minimum Total Required Credits for Above Major (100 credits)**

### Mathematics Major with Economics Option (83 Credits)

**Note:** Two years of a single high school foreign language or one year of a single college level foreign language is required.

**Required Courses (79 credits)**
- MATH 161 Calculus I (5)
- MATH 162 Calculus II (5)
- MATH 163 Calculus III (5)
- MATH 225 Foundations of Mathematics (5)
- MATH 231 Linear Algebra (5)
- MATH 241 Calculus IV (5)
- MATH 345 Numerical Analysis I (4)
- MATH 447 Differential Equations (4)*
- MATH 485 Theoretical Probability and Mathematical Statistics (4)*
- MATH 494 Senior Seminar (2) (2.0 must be obtained for graduation)

**Select four courses from the following**
- MATH 431 Introduction to Modern Algebra I (4)
- MATH 432 Introduction to Modern Algebra II (4)*
- MATH 433 Introduction to Modern Algebra III (4)*
- MATH 445 Numerical Analysis II (4)*
- MATH 447 Differential Equations (4)*
- MATH 470 Foundations of Geometry (4)*
- MATH 481 Complex Analysis (4)*
- MATH 486 Advanced Topics in Statistics (3)*
- MATH 487 Human Computer Interface (4)
- MATH 494 Senior Seminar (2) (2.0 must be obtained for graduation)

**Electives (8 credits)**
Courses satisfying this requirement must come from outside the Department of Mathematics and are to be selected in consultation with the department advisor.

**Required Program Credits (79 credits)**
- MATH 161 Calculus I (5)
- MATH 162 Calculus II (5)
- MATH 163 Calculus III (5)
- MATH 225 Foundations of Mathematics (5)
- MATH 231 Linear Algebra (5)
- MATH 241 Calculus IV (5)
- MATH 345 Numerical Analysis I (4)
- MATH 447 Differential Equations (4)*
- MATH 470 Foundations of Geometry (4)*
- MATH 481 Complex Analysis (4)*

**Economic Credits (8 credits)**
- ECON 200 Introduction to Microeconomics (5)
- ECON 201 Introduction to Macroeconomics (5)
- ECON 405 Intermediate Macroeconomic Theory (5)
- ECON 430 Mathematical Economics (5)
- ECON 437 Econometrics (5)

**Total Credit for Above Major (87 credits)**

**Note:** If this is your chosen program, you should meet with a department advisor to plan your schedule before taking classes. See the EWU catalog for details and see a department advisor at least twice a year to review your program. Make an appointment with Barbara Alvin by calling 509.359.2203.
BACHELOR OF ARTS IN EDUCATION (BAE)

Note: see the Education Department for prerequisites, core requirements and additional SLOs.

Student Learning Outcomes—students will:

• understand and apply the mathematical processes of problem solving, reasoning, communicating and connecting, use varied representations to support and deepen mathematical understanding, and embrace technology as an essential tool for teaching and learning mathematics;
• demonstrate computational proficiency using various strategies, including a conceptual understanding of numbers, relationships among number and number systems and meanings of operations with all real numbers;
• understand relationships among quantities, functions, and the analysis of change, and demonstrate a conceptual understanding of and procedural facility with fundamental single variable calculus;
• use spatial visualization and geometric modeling to explore and analyze geometric figures and apply and use measurement concepts and tools;
• demonstrate an understanding of concepts and practices related to data analysis, statistics and probability, and apply the fundamental ideas of discrete mathematics in the formulation and solution of problems;
• possess a deep understanding of how students learn mathematics and of the pedagogical knowledge specific to mathematics teaching and learning.

MATHEMATICS/ELEMENTARY MAJOR (48 CREDITS)

ELEMENTARY EDUCATION CORE (70 CREDITS)

Completion of this major and the General Degree Completion Requirements for Education, Elementary, satisfies the state requirements for a generalist (multiple subject) Elementary Education teaching endorsement.

Required Proficiency

Computer literacy proficiency is required. It can be demonstrated by CPLA 100 and CPLA 101 test, by CPLA 100 and CPLA 101 course credits or by CPLA 120 course credits. This proficiency must be completed prior to enrollment in MATH 311.

Required Courses

MATH 114 Algebra Concepts (5)
MATH 211 Structure of Elementary Mathematics I (5)*
MATH 212 Structure of Elementary Mathematics II (5)*
MATH 311 Functions and Relations for K–8 Teachers (5)
MATH 312 Geometry for the K–8 Teacher (5)
MATH 411 Discrete Mathematics for K–8 Teachers (4)
MATH 420 Problem Solving for K–8 Teachers (4)
MTED 390 Methods of Teaching Elementary School Mathematics (5)*
MTED 412 Advanced Methods of Teaching K–8 Mathematics (5)
MTED 490 Senior Capstone: Mathematics Practicum (5)

Total credits for above major 48 credits

Note: *MATH 211, MATH 212, and MTED 390 are required courses in the Professional Education Requirements/Elementary.

MATHEMATICS/ELEMENTARY MAJOR AND MIDDLE LEVEL ENDORSEMENT OPTION (58 CREDITS)

ELEMENTARY EDUCATION CORE (70 CREDITS)

Completion of this major and the General Degree Completion Requirements for Education, Elementary, satisfies the state requirements for a generalist (multiple subject) Elementary Education teaching endorsement.

Required Proficiency

Computer literacy proficiency is required. It can be demonstrated by CPLA 100 and CPLA 101 test, by CPLA 100 and CPLA 101 course credits or by CPLA 120 course credits. This proficiency must be completed prior to enrollment in MATH 311.

Required Courses

EDUC 417 Culture of Middle Level School (5)
MATH 114 Algebra Concepts (5)
MATH 211 Structure of Elementary Mathematics I (5)*
MATH 212 Structure of Elementary Mathematics II (5)*
MATH 311 Functions and Relations for K–8 Teachers (5)
MATH 312 Geometry for the K–8 Teacher (5)
MATH 411 Discrete Mathematics for K–8 Teachers (4)
MATH 413 Data Analysis and Probability for Middle Level Teachers (5)
MATH 416 Calculus for Middle Level Teachers (4)
MATH 420 Problem Solving for K–8 Teachers (4)
MTED 390 Methods of Teaching Elementary School Mathematics (5)*
MTED 412 Advanced Methods of Teaching K–8 Mathematics (5)
MTED 490 Senior Capstone: Mathematics Practicum (5)

Total credits for above major 58 credits

Note: *MATH 211, MATH 212, and MTED 390 are required courses in the Professional Education Requirements/Elementary.

MATHEMATICS/SECONDARY MAJOR (77 CREDITS)

SECONDARY EDUCATION CORE (43 CREDITS)

Completion of this major and the General Degree Completion Requirements for Education, Secondary, satisfies the state requirements for a state mathematics teaching endorsement (secondary, grade levels 5–12).

Required Proficiency

Computer literacy proficiency is required. It can be demonstrated by CPLA 100 and CPLA 101 test, by CPLA 100 and CPLA 101 course credits or by CPLA 120 course credits. This proficiency must be completed prior to enrollment in MATH 311.

Required Courses

MATH 161 Calculus I (5)
MATH 162 Calculus II (5)
MATH 163 Calculus III (5)
MATH 225 Foundations of Mathematics (5)
MATH 231 Linear Algebra (5)
MATH 241 Calculus IV (5)
MATH 320 History of Mathematics (4)
MATH 360 Continuous Functions (4)
MATH 370 Survey of Geometries (5)
MATH 385 Probability and an Introduction to Statistics (4)
MATH 386 Applied Statistics (4)
MATH 431 Introduction to Modern Algebra I (4)
MATH 432 Introduction to Modern Algebra II (4)
MATH 492 Problem Solving Seminar (5)
MATH 494 Senior Seminar (2) (2.0 must be obtained for graduation)
MTED 393 Methods of Teaching Secondary Mathematics I (3)
MTED 490 Senior Capstone: Mathematics Practicum (5)
MTED 493 Methods of Teaching Secondary Mathematics II (5)

Total credits for above major 77 credits

Note: the above major takes more than 12 quarters at 15–16 credits a quarter.

Note: effective 09.01.05 all candidates for certification must pass the WEST-E Praxis II subject matter test to receive an endorsement for certification purposes.
Note: *MATH 211, MATH 212 and MTED 390 are required courses in the Professional Education Requirements/Elementary. The actual total of additional credits for this minor when elementary education professional requirements are completed is 19 credits.

MATH 114 Algebra Concepts (5)
MATH 211 Structure of Elementary Mathematics I (5)*
MATH 212 Structure of Elementary Mathematics II (5)*
MATH 311 Functions and Relations for K–8 Teachers (5)
MATH 420 Problem Solving for K–8 Teachers (4)
MTED 390 Methods of Teaching Elementary School Mathematics (5)*
MTED 412 Advanced Methods of Teaching K–8 Mathematics (5)

Total credits for above minor 34 credits

Required Proficiency
Computer literacy proficiency is required. It can be demonstrated by CPLA 100 and CPLA 101 test, by CPLA 100 and CPLA 101 course credits or by CPLA 120 course credits. This proficiency must be completed prior to enrollment in MATH 311.

Required Courses
EDUC 417 The Culture of Middle Level School (3)
MATH 114 Algebra Concepts (5)
MATH 211 Structure of Elementary Mathematics I (5)**
MATH 212 Structure of Elementary Mathematics II (5)**
MATH 311 Functions and Relations for K–8 Teachers (5)
MATH 312 Geometry for the K–8 Teacher (5)
MATH 411 Discrete Mathematics for K–8 Teachers (4)
MATH 413 Data Analysis and Probability for Middle Level Teachers (3)
MATH 416 Calculus for Middle Level Teachers (4)
MATH 420 Problem Solving for K–8 Teachers (4)
MTED 390 Methods of Teaching Elementary School Mathematics (5)*
MTED 412 Advanced Methods of Teaching K–8 Mathematics (5)
MTED 490 Senior Capstone: Mathematics Practicum (5)

Total credits for above minor 58 credits

Note: *this minor can be completed for an add-on Middle Level Mathematics Endorsement.

Note: **the completion of MATH 211 and MATH 212 satisfies the university Mathematical Reasoning competency/proficiency requirement and the MATH 107 requirement in the secondary education program.

Note: effective 09/01/05, all candidates for certification must pass the WEST-E subject matter test to receive an endorsement for certification purposes.

**GRADUATE PROGRAMS**

**GRADUATE CERTIFICATE FOR MIDDLE-LEVEL MATHEMATICS ENDORSEMENT (35–40 CREDITS)**

Student Learning Outcomes—students will:

- understand and apply the mathematical processes of problem solving, reasoning, communicating and connecting; use varied representations to support and deepen mathematical understanding; and embrace technology as an essential tool for teaching and learning mathematics;
- demonstrate computational proficiency using various strategies, including a conceptual understanding of numbers, relationships among number and number systems and meanings of operations with all real numbers;
- understand relationships among quantities, functions and the analysis of change and demonstrate a conceptual understanding of and procedural facility with fundamental single variable calculus;
- use spatial visualization and geometric modeling to explore and analyze geometric figures and apply computer graphing and measurement concepts;
- demonstrate an understanding of concepts and practices related to data analysis, statistics and probability and apply the fundamental ideas of discrete mathematics in the formulation and solution of problems;
- possess a deep understanding of how students learn mathematics and of the pedagogical knowledge specific to mathematics teaching and learning.

Through completion of the required courses in this certificate program, teachers currently certified in the state of Washington will earn a middle-level (4th through 9th grades) mathematics teaching endorsement. The MA in teaching K–9 mathematics program, with endorsement-specific electives completed, also meets the middle-level endorsement requirements, and students in the degree program need not enroll separately in this certificate program. The certificate program is for students seeking the endorsement only, without the master's degree, and differs from the undergraduate add-on middle level endorsement program in that the graduate courses will be populated by certified teachers who may have had teaching experience that they will bring to bear. The certificate program courses will also be offered in the late afternoons and summer quarters, whereas the courses in the undergraduate program are primarily offered during the day in the regular academic year.

Completion of this program—by a currently certified teacher with one or more Washington State Teaching Endorsements—will satisfy the Washington state requirements for a middle level mathematics teaching endorsement (grade levels 4–9).

**General Admission Requirements for the Middle Level Mathematics Add-On Endorsement**

1. A Washington State Teaching Certificate.
2. Demonstration of entry-level competency on an inventory of content knowledge for teaching mathematics administered in the Mathematics Department.

Required Courses
EDUC 517 The Culture of Middle Level School (3)
MATH 510 Number Sense for Teachers (3)
MATH 511 Ratio and Proportion for Teachers (3)
MATH 512 Geometric Reasoning for Teachers (3)
MATH 513/413 Data Analysis and Probability for Teachers (3)
MATH 514 Algebraic Reasoning for Teachers (3)
MATH 515 Measurement for Teachers (3)
MATH 516 Calculus for Middle Level Teachers (4)*
MATH 528 Problem-Centered Learning (3)
MTED 525 Assessment and Mathematics Learning (3)
MTED 694 Mathematics Middle Level Teaching Internship (4)

Total credits for above program 35 credits**

Note: *a Pre-Calculus I course or MATH 311 Functions and Relations for K–8 Teachers is a prerequisite for this course.

Note: **for students who have not previously completed a Pre-Calculus I course or MATH 311, the program will total 40 credits.
Mathematics Courses

Terms offered: fall, winter, spring, summer.

MATH 107 Mathematical Reasoning (5) FWSU
Prerequisites: MATH 104 or equivalent course, or a satisfactory score on the mathematics placement test (MPT); Computer Literacy Competency recommended.
Satisfies: completion of this course with a grade ≥2.0 satisfies the university proficiencies in mathematics.

The course explores sets, basic logic, truth tables, elementary probability and statistics, geometry and the connections between mathematics and art, exponential functions, logarithms and geometric series. The spirit of the course is one of reasoning and problem solving. This is a terminal course intended for students not taking any other mathematics courses for their program of study. This proficiency may be satisfied by examination.

MATH 114 Algebra Concepts (5) FWSU
Prerequisites: grade ≥2.0 in MTHD 104, or a satisfactory score on the mathematics placement test (MPT).
Satisfies: completion of this course with a grade ≥2.0 satisfies mathematics competency.

This course provides an in-depth treatment of quadratic and exponential functions. Linear and logarithmic functions are also studied and rate of change of a function is introduced. Problem solving, use of graphing tools, and quantitative and abstract reasoning are emphasized throughout the course.

MATH 141 Precalculus I (5) FWSU
Prerequisite: MATH 114 or equivalent course or a grade ≥3.0 in MTHD 104 or a satisfactory score on the mathematics placement test (MPT).

This course includes modeling, rates of change and structure of functions; especially polynomial, rational, logarithmic and exponential. Problem solving, use of graphing tools and abstract reasoning are emphasized throughout the course.

MATH 142 Precalculus II (5) FWSU
Prerequisite: MATH 141 or equivalent.
Satisfies: completion of this course with a grade ≥2.0 satisfies the university proficiencies in mathematics.

This course includes an in-depth treatment of trigonometric and inverse trigonometric functions, identities, complex numbers, sequences, series, conic sections and mathematical induction. Polynomial coordinates, parametric equations and vectors are introduced. Problem solving, use of graphing tools, and quantitative and abstract reasoning are emphasized throughout the course.

MATH 151 Calculus I (5) FWSU
Note: for the university proficiencies, course may be substituted for MATH 107.
Prerequisites: MATH 142, ENGL 100.
A review of the concepts of functions, absolute value, open and closed intervals and solutions of inequalities. Limits, derivatives of single variable functions and their applications, anti-derivatives, the definite and integral.

MATH 162 Calculus II (5) FWS
Prerequisite: MATH 161.
Applications of the definite integral, inverse functions, transcendental functions, techniques of integration, improper integrals, Taylor’s formula.

MATH 163 Calculus III (5) FWS
Prerequisite: MATH 162.
Polar coordinates, a brief treatment of conic sections, vectors, in R^2 and R^3, parametric equations, introduction to partial differentiation, sequences and series.

MATH 196 Experimental Course (1–5)
Note: does not count toward the 180 credit requirement.
Prerequisite: permission of the instructor, department chair and college dean.

MATH 199 Special Studies (1–5) FWS
Note: does not count toward the 180 credit requirement.
Prerequisite: permission of the instructor, department chair and college dean.
MATH 301 Discrete Mathematics (5) FWS
Notes: for the university proficiency, the course may be substituted for MATH 107; you may not receive credit for both MATH 225 and MATH 301.
Prerequisite: MATH 141.
This course covers the theory and application of the mathematics most relevant to computer science. Foundation topics include logic, induction and recursion, methods of proof, set theory, relations and functions, and combinatorics. Implementation topics include graphs and matrices, including systems of linear equations, two dimensional rotation matrices and matrix representations of graphs, as well as selected topics in graph theory.

MATH 307 Mathematical Computing Laboratory III (1) FWS
Note: the laboratory may be repeated for credit.
Prerequisite: successful completion of CPLA 100 and 101 or CPLA 120 and permission of the instructor.
The laboratory consists of exercises, experiments and reports, using applications, calculators or mathematical software such as Maple, Mathematica, Matlab, MINITAB, Geometer’s Sketchpad or SAS, on topics closely related to the contents of the designated concurrent mathematics course. However, the laboratory is not required by the designated course. The topics are specified in the section subtitles.

MATH 311 Functions and Relations for K–8 Teachers (5) FW
Prerequisite: MATH 141 with satisfactory score on the mathematics placement test or MTHD 104 or equivalent.
A discussion of the algebraic concepts of functions and relations from numeric, graphic and symbolic viewpoints.

MATH 312 Geometry for the K–8 Teacher (5) F
Prerequisite: MATH 311 or permission of the instructor.
Concepts from two- and three-dimensional geometry are explored and demonstrated. The course includes geometric proofs and requires the use of technology widely used in the K–12 system (and available in the Mathematics Department).

MATH 320 History of Mathematics (4) W
Prerequisites: ENGL 201, MATH 225 or permission of the instructor.
A historical development of mathematical ideas and methods. Emphasizes the individuals involved, the development of the intellectual activity called mathematics and the ebb and flow of mathematics in history.

MATH 341, 342, 343 Topics in Applied Analysis I, II, III (4, 4, 4)
Prerequisite: for MATH 341: MATH 163; for MATH 342: MATH 341; for MATH 343: MATH 241.
Selected topics in applied mathematics such as vector analysis, complex variables, partial differential equations, etc.

MATH 345 Numerical Analysis I (4) W alt S alt
Prerequisites: junior or higher standing, MATH 225, MATH 231. (MATH 225 required for MATH 161.)
The course develops numerical linear algebra and error estimates essential for scientific computing: machine arithmetic, algorithms for solving systems of linear equations, algorithms for computing eigenvalues and singular values (LU, QR, Jacobi’s and SVD) and the theory of error estimates through condition numbers. The course also includes such applications as the design and analysis of algorithms for floating point arithmetic, linear regression, least squares linear regression, linear programming, or cubic splines, with applications to engineering and the sciences.

MATH 347 Introductory Differential Equations (4) Fall, Winter
Prerequisite: MATH 141.
An introduction to ordinary differential equations, a nonrigorous, problem-solving approach including Laplace transforms and Fourier series with applications.

MATH 360 Continuous Functions (4) F
Prerequisite: MATH 163 and 225.
This course develops the topology of the n-dimensional real Euclidean space. Topics include the completeness of the real numbers, topological spaces, continuity and properties preserved by continuous functions, compactness and connectedness.

MATH 370 Survey of Geometry (5) W
Prerequisite: CPLA 100 and CPLA 101 or equivalent; and MATH 225.
Introduction to various finite and infinite geometries, both Euclidean and non-Euclidean. The logical notions of consistency, independence, interpretation and models and completeness will be explored. Properties and theorems of each geometric system will be developed synthetically, analytically and through use of technology.

MATH 380 Elementary Probability and Statistics (5) FWSU
Notes: for the university proficiency, course may be substituted for MATH 107.
Prerequisite: MATH 141 or Mathematics Proficiency Clearance, Computer Literacy Competency recommended.
Empirical and theoretical frequency distributions. Discrete and continuous random variables. The binomial random variable and the normal. Descriptive statistics including measures of location, spread and association. An introduction to inferential statistics including confidence intervals and hypothesis testing.

MATH 385 Probability and an Introduction to Statistics (4)
Prerequisite: MATH 163, MATH 225.
This course covers the mathematical theory of probability; this includes proofs of simple theorems; Bayes’ theorem and its applications to real world problems; discrete and continuous random variables; probability distributions for the binomial, geometric, Poisson, exponential and normal random variables and the distribution of the sample mean. In the area of statistics it will include an introduction to confidence intervals and hypothesis testing.

MATH 386 Applied Statistics (4) W
Prerequisite: MATH 380 or MATH 385 or equivalent.
Statistical methods for research in the natural sciences. The course includes analysis of variance, multiple regression, analysis of covariance and nonparametric statistical procedures.

MATH 399 Special Studies in Mathematics (1–5) FWSU
Prerequisites: permission of the instructor, department chair and college dean.

MATH 401 Advanced Formal Logic (5)
Prerequisite: PHIL 301 or math proficiency or successful completion of ENGL 101 and recommended proficiency on the mathematics placement test or MTHD 104 or equivalent.
Advanced study of formal deductive systems. Develops predicate logic on a rigorous basis, establishes some important metatheorems for logical systems and introduces some concepts in semantics and issues in the philosophy of logic.

MATH 407 Mathematical Computing Laboratory IV (1) FWS
Note: the laboratory may be repeated for credit.
Prerequisite: successful completion of successful completion of CPLA 100 and 101 or CPLA 120 and permission of the instructor.
The laboratory consists of exercises, experiments and reports, using applications, calculators or mathematical software such as Maple, Mathematica, Matlab, MINITAB, Geometer’s Sketchpad or SAS, on topics closely related to the contents of the designated concurrent mathematics course. However, the laboratory is not required by the designated course. The topics are specified in the section subtitles.

MATH 411 Discrete Mathematics for K–8 Teachers (4) W
Prerequisite: MATH 161 or MATH 311.
This course introduces the elementary mathematics major to the process of doing mathematics via mathematical proofs and mathematical reasoning. Throughout the course, familiar topics will be approached in a less intuitive, more formal way and in greater depth than previously experienced. Topics to be covered include logic; sets, functions and sequences; methods of proof; and combinatorics.

MATH 413 Data Analysis and Probability for Middle Level Teachers (3) F
Prerequisites: MATH 212 and MATH 311; MTED 390 and MTED 412.
Through readings, discussion and a hands-on problem-centered approach, students will develop a profound understanding of concepts of data analysis and probability. Students will deepen their understanding of the research on the teaching and learning of data analysis and probability in K–9 mathematics.

MATH 416 Calculus for Middle Level Teachers (4)
Prerequisites: MATH 141 or MATH 311.
This course is intended for pre-service middle school teachers and focuses on conceptual and procedural understandings of limit, continuity, differentiation and integration. It includes the techniques and applications of calculus and use of technology to explore and represent fundamental concepts of calculus.

MATH 420 Problem Solving for K–8 Teachers (4)
Prerequisite: MTED 390 (or math teaching experience) and MATH 311 or equivalent course approved by the department and CPLA 100 and CPLA 101 or the equivalent.
This math content course for prospective K–8 teachers requires students enrolled in the class to solve a large variety of problem-solving problems using a variety of strategies including the use of manipulatives, technology and mathematical representations. Techniques for teaching problem solving are discussed in the course. The use of a variety of types of technology is a required component of the course.

MATH 430 Advanced Linear Algebra (4) S alt
Prerequisites: MATH 225, MATH 231.
Advanced study of linear algebra, including the structure theory of linear transformations, the Cayley-Hamilton Theorem and multilinear algebra.

MATH 431 Introduction to Modern Algebra I (4) F
Prerequisites: MATH 225, MATH 231.
Sets, groups, cyclic and permutation groups, Lagrange’s Theorem, isomorphism groups and the isomorphism theorems.

MATH 432 Introduction to Modern Algebra II (4) W
Prerequisite: MATH 431.
Basic theory of rings and ideals. Polynomial rings, principal ideal domains and unique factorization domains. Modules.
MATH 433 Introduction to Modern Algebra III (4) S alt
Prerequisite: MATH 432.
Field theory. Splitting fields, Galois groups, fundamental Theorem of Galois Theory. Applications to classical problems of Euclidean constructibility and solvability by radicals.

MATH 445 Numerical Analysis II (4) S even
Prerequisite: junior or higher standing, MATH 245.
The course combines numerical linear algebra with calculus to derive methods of scientific computing: numerical differentiation and integration, existence, uniqueness, stability and numerical approximation of solutions of nonlinear systems and of ordinary or partial differential equations, splines and fast Fourier or wavelet transforms.
The course also includes such applications to engineering and the sciences as the design and analysis of algorithms to compute special functions, computed geometric design, fluid dynamics, heat diffusion or financial Black-Scholes models, image processing or nonlinear regression.

MATH 447 Differential Equations (4) W alt
Prerequisites: MATH 225, MATH 231, MATH 347.
Advanced study of differential equations including power series solutions, systems, numerical solutions and partial differential equations.

MATH 460 Continuous Functions (4) F
Prerequisite: MATH 163, MATH 225.
This course develops the topology of the n-dimensional real Euclidean space. Topics include the completeness of the real numbers, topological spaces, continuity and properties preserved by continuous functions, compactness and connectedness. Homework and examinations in MATH 460 focus more on designing proofs new to the student than they do in MATH 360.

MATH 461 Advanced Calculus I (4) W
Prerequisites: MATH 241 and MATH 360 or MATH 460.
This course applies notions from linear algebra and continuous functions to develop the calculus of functions of several variables. Topics include differentiability, the derivative as a linear transformation, extreme value problems and the implicit and inverse function theorems.

MATH 462 Advanced Calculus II (4) S
Prerequisite: MATH 461.
This course builds on topics introduced in MATH 461 to treat integration. Topics include line integrals, exterior algebra and a general form of Stoke’s Theorem. Applications to algebra, topology and fluid dynamics if time permits.

MATH 470 Foundations of Geometry (4) S alt
Prerequisites: MATH 225 and MATH 231 or concurrent enrollment.
A treatment of plane Euclidean and projective geometries, including the theory of conics, utilizing analytic methods and linear algebra.

MATH 481 Complex Analysis (4) F alt
Prerequisite: MATH 360.
The algebra and calculus of complex functions. Series, holomorphic maps, Cauchy’s Theorem, applications.

MATH 485 Theoretical Probability and Mathematical Statistics (4) S alt
Prerequisites: MATH 241, MATH 385, MATH 386.
Mathematical theory of probability; discrete and continuous multivariate distributions; moment generating functions, proof and application of the central limit theorem. Theory of statistical inference: topics in estimation and hypothesis testing, maximum likelihood estimates, the Neyman Pearson lemma, likelihood ratio tests. Other selected topics.

MATH 486 Advanced Topics in Statistics (3) F alt
Prerequisites: MATH 385, MATH 386, MATH 485.
Students will apply general theory from MATH 385, MATH 386 and MATH 485 to an area of statistics new to them. One or more advanced topics will be selected by the students in consultation with the instructor teaching the course, typically among the following: generalized linear models, categorical data analysis, time series analysis, survival analysis. The course will have a theoretical component dealing with mathematical aspects of the given topic(s), as well as a practical component typically taking form of a student project involving the analysis of a real-world data set.

MATH 492 Problem Solving Seminar (5) S
Prerequisites: MATH 225 or permission of the instructor; MATH 380 or MATH 385.
The course examines various problem solving strategies and techniques for teaching problem solving at the secondary level such as direct proof, indirect proof, inferences, mathematical representations and the use of technology.

MATH 494 Senior Seminar (2) W
Prerequisites: for students pursuing the BA in Mathematics: prior or concurrent enrollment in MATH 462 and 432, for students pursuing the BAE Secondary: prior or concurrent enrollment in MATH 360, 386, 432 and MTEED 493; for students pursuing the BA in Mathematics with a Computer Science option: prior or concurrent enrollment in MATH 340, 345 and 385.
The Senior Seminar course will explore the culture of mathematics through readings and classroom discussions. The students will be required to write a paper on some aspect of mathematics. At the same time, students will review the core mathematics they have studied and comprehensive tests will be administered in order to assess the knowledge they have acquired in their degree programs.

MATH 497 Workshops, Short Courses, Conferences (1–5)
Selected topics to be arranged in consultation with the requesting organization.

MATH 498 Seminar (1–5)
Prerequisite: permission of the instructor, department chair and college dean.

MATH 507 Mathematical Computing Laboratory (1)
Note: the laboratory may be repeated for credit.
Prerequisites: concurrent enrollment or prior credit for a 500-level mathematics course designated by the Department of Mathematics each academic term.
The laboratory consists of exercises, experiments and reports, with applications or calculators or with such mathematical software as Maple, Mathematica, Matlab, MINITAB, Geometer’s Sketchpad or SAS, on topics closely related to the contents of the designated concurrent mathematics course. However, the laboratory is not required by the designated course. The topics are specified in the section subtitles.

MATH 510 Number Sense for Teachers (3)
Prerequisite: graduate standing.
Through readings, discussion and a hands-on problem-centered approach, students will develop a profound understanding of the concepts of number systems, base ten and place value, operations, fractions, decimals, percents, integers, real numbers and number theory and will deepen their understanding of the research on the teaching and learning of these topics in K–9 mathematics. Major emphases will be learners’ cognitive development through and across different grade levels, including that of diverse and exceptional learners, typical student conceptions and misconceptions, meaningful use of representations and technology in developing understanding and state and national standards related to these number-sense topics.

MATH 511 Ratio and Proportion for Teachers (3)
Prerequisite: graduate standing.
Through readings, discussion and a hands-on problem-centered approach, students will develop a profound understanding of the concepts of ratio and proportion and deepen their understanding of the research on the teaching and learning of ratio and proportion in K–9 mathematics. Major emphases will be learners’ cognitive development through and across different grade levels, including that of diverse and exceptional learners, typical student conceptions and misconceptions, meaningful use of representations and technology in developing understanding and state and national standards related to ratio and proportion.

MATH 512 Geometric Reasoning for Teachers (3)
Prerequisite: graduate standing.
Through readings, discussion and a hands-on problem-centered approach, students will develop a profound understanding of geometry concepts and deepen their understanding of the research on the teaching and learning of geometry concepts in K–9 mathematics. Major emphases will be learners’ cognitive development through and across different grade levels, including that of diverse and exceptional learners, typical student conceptions and misconceptions, meaningful use of representations and technology in developing understanding and state and national standards related to geometry.

MATH 513 Data Analysis and Probability for Teachers (3)
Prerequisite: graduate standing.
Through readings, discussion and a hands-on problem-centered approach, students will develop a profound understanding of concepts of data analysis and probability and deepen their understanding of the research on the teaching and learning of data analysis and probability in K–9 mathematics. Major emphases will be learners’ cognitive development through and across different grade levels, including that of diverse and exceptional learners, typical student conceptions and misconceptions, meaningful use of representations and technology in developing understanding and state and national standards related to data analysis and probability.
MATH 514 Algebraic Reasoning for Teachers (3)  
Prerequisite: graduate standing.  
Through readings, discussion and a hands-on problem-centered approach, students will develop a profound understanding of algebraic reasoning and deepen their understanding of the research on the teaching and learning of algebraic reasoning in K–9 mathematics. Major emphases will be learners’ cognitive development through and across different grade levels, including that of diverse and exceptional learners, typical student conceptions and misconceptions, meaningful use of representations and technology in developing understanding and state and national standards related to algebraic reasoning.

MATH 515 Measurement for Teachers (3)  
Prerequisite: graduate standing.  
Through readings, discussion and a hands-on problem-centered approach, students will develop a profound understanding of measurement concepts and deepen their understanding of the research on the teaching and learning of measurement in K–9 mathematics. Major emphases will be learners’ cognitive development through and across different grade levels, including that of diverse and exceptional learners, typical student conceptions and misconceptions, meaningful use of representations and technology in developing understanding and state and national standards related to measurement.

MATH 516 Calculus for Middle Level Teachers (4)  
Prerequisites: graduate standing and MATH 311 or equivalent.  
This course is intended for middle school teachers and focuses on conceptual and procedural understandings of limit, continuity, differentiation and integration. It includes the techniques and applications of calculus and use of technology to explore and represent fundamental concepts of calculus. It also addresses the historical development of calculus and the contributions to its development from many cultures. Students will create a project focusing on connections between calculus, the middle school curriculum and current understandings of how students learn mathematics.

MATH 528 Problem-Centered Learning (3)  
Prerequisite: graduate standing.  
This course explores how to create classroom environments where rich tasks form the basis for mathematical learning. Special emphasis will be placed on task construction, selection and problem-posing. Participants will engage in a series of non-routine problem-solving activities. They will also be expected to develop non-routine problem-solving activities addressing specific mathematical ideas. These activities will serve as a basis for examining and reflecting on the research about and the implications of such an approach to the teaching and learning of mathematics.

MATH 531 Algebra I (4)  
Prerequisite: MATH 431 or permission of the instructor. The theory of groups, starting at the Sylow Theorems. Topics: group actions, normal series, solvable and nilpotent groups, structure theorem for abelian groups, semidirect products, extensions.

MATH 533 Topics in Applied Mathematics (4)  
Note: may be repeated for credit.  
The course focuses on the mathematics of applications, depending on the interests of the class and the instructor. Topics will be specified in the section subtitle.

MATH 581 Complex Analysis I (4)  
Prerequisite: MATH 511.  
This course establishes the basic properties of holomorphic functions, including complex derivatives, power series, singularities, residues and the general integral formula of Cauchy. In particular, the course proves such classical results as the Fundamental Theorem of Algebra, the Open Mapping Theorem, the Maximum Principle and the theorems of Weierstrass, Montel or Loonman-Menchoff. This course also presents examples of elementary conformal mappings, with optional applications to cartography or physics, from geometric or analytic points of view.

MATH 582 Complex Analysis II (4)  
Prerequisite: MATH 581.  
Continues MATH 581 through the proofs of advanced results, such as the general Riemann Mapping Theorem, or properties of the special functions of Riemann and Weierstrass. If time permits, may include application to Algebraic Geometry, Number Theory and Coding or extensions to several complex variables, for example.

MATH 596 Experimental Course (1–5)  
Note: only one workshop course for up to 3 credits may be used to fulfill graduate degree requirements.

MATH 598 Seminar (1–5)  
Prerequisite: permission of the instructor.

MATH 599 Independent Study (1–6)  
Prerequisite: permission of the instructor, department chair and college dean.

MATH 600 Thesis (1–15)  
Prerequisite: permission of the instructor, department chair and college dean.  
A research thesis under the direction of a graduate committee.

MATH 601 Research Report (1–15)  
Prerequisite: permission of the instructor, department chair and college dean.  
A research study in lieu of a bound thesis conducted as partial fulfillment of a master’s degree in education under the direction of a graduate committee.

Mathematics Education Courses

Terms offered: fall, winter, spring, summer (FWSU).
If no terms are indicated, check with the department or EagleNET.

MTED 390 Methods of Teaching Elementary School Mathematics (5)  
Prerequisites: MATH 211 and 212 or equivalent courses approved by the department.  
Course designed to teach current methods for teaching math (grades K–8).

MTED 393 Methods of Teaching Secondary Mathematics I (3)  
Note: if through communication with your major and minor advisor you determine that taking MTED 393 concurrently with EDUC 413 will result in an overload, please contact the instructor of MTED 393.

MTED 412 Advanced Methods of Teaching K–8 Mathematics (5)  
Prerequisites: MATH 311 and MATH 390 or MATH 493 or approval of the instructor, and CPLA 100 and CPLA 101 or the equivalent.  
Advanced course in methods of teaching math (grades K–8), including lab (required) use of technology. Focused on the teaching of topics in measurement, probability and statistics, algebraic reasoning, ratio and proportion and geometry.

MTED 490 Senior Capstone Mathematics Practicum (5)  
Prerequisites: MTED 390 and MTED 4112 and senior standing or MTED 393 and senior standing  
Satisfies: senior capstone university graduation requirement.

MTED 493 Methods of Teaching Secondary Mathematics II (3)  
Note: if through communication with your major and minor advisor you determine that taking MTED 493 concurrently with EDUC 341 will result in an overload, please contact the instructor of MTED 493.

This course is designed to address the development and evaluation of select content and process standards —geometry, measurement, statistics, probability, problem solving, connections and communication in the middle and high school. The course includes the use of traditional, technological and manipulative materials consistent with current theory and practice.
MTED 525  Assessment and Mathematics Learning (3)
Prerequisite: graduate standing.
This course explores the relationship between assessment and mathematics learning. In particular, we will focus on the forms and purposes of assessment in the mathematics classroom, including the alignment of assessment to instruction, use of multiple sources of assessment information as evidence of learning and appropriate methods. Through readings, discussion, and a hands-on problem-centered approach, students will extend their understanding of the research on assessment and the roles of assessment in K–9 mathematics classrooms.

MTED 527  Technology in Mathematics Teaching and Learning (3)
Prerequisite: graduate standing.
This course will explore the appropriate use of technology in mathematics education from philosophical, social, theoretical and pedagogical perspectives. It will provide perspectives on current and future trends and issues regarding the use of technology in mathematics teaching and learning. Students will use technology to solve mathematical problems, create mathematical demonstrations and construct new ideas of mathematics. Special attention is devoted to developing a deep understanding of the appropriate use of technology to explore and learn mathematics.

MTED 529  Topics in Mathematics Education (3)
Note: may be repeated for credit with different topics.
Prerequisite: graduate standing.
This course includes topics regarding the teaching and learning of mathematics selected depending on the interest of the class and instructor. Possible topics may include (but are not limited to): history and culture of mathematics, history of mathematics education, systems theory and learning and equity. Topics will be specified in the section subtitle.

MTED 590  Math Methods for Elementary Teachers (5)
Prerequisite: bachelor’s degree or permission of instructor.
Designed to expose participants to a variety of instructional techniques for teaching mathematics concepts and skills at the K–8 level. Strengths and weaknesses of different techniques, such as lecture demonstration, small-group activities and problem solving are modeled and discussed.

MTED 592  Theory and Research in Mathematics Education (3)
Prerequisite: graduate standing.
This course is designed for graduate students in mathematics education who intend to pursue or further teaching careers. This course will explore the history of research in mathematics education; discuss various theories of mathematics learning; evaluate, synthesize and critique mathematics education research; and become acquainted with a diverse sample of quantitative and qualitative studies in mathematics education, as well as, with issue of current interest within the community. The course will be focused on issues that mathematics teachers should understand and investigate; including both content and research methods. In addition, students will be expected to select a mathematics content and/or pedagogical topic for particular emphasis in the course and conduct a research review. Students will leave the course with an understanding of the history of mathematics education research and of the use of research to inform teaching practice.

MTED 594  Mathematics Middle Level Teaching Internship (4)
Prerequisites: four courses from the MATH 510 to MATH 516 series and either MTED 525 or MATH 528.
This course is a field experience in a middle level mathematics classroom. Candidates will demonstrate competency at designing and implementing mathematics instruction, guided by continuous formative assessment, that enables a broad diversity of learners to construct meaning, create and defend conjectures, solve problems, utilize procedures and notation and monitor their learning.

MTED 695  Mathematics Education Internship (6)
Prerequisites: graduate standing; permission of the instructor, department chair and college dean.
The theories of teaching and learning mathematics explored in MATH 592 Theory and Research in Mathematics Education course are made practically relevant in this course, as student teach classes such as MATH 211 or MATH 212 while being mentored by faculty having experience with those classes. One-hour weekly seminars complement the in-class teaching assignment.
The University of Washington College of Social & Behavioral Sciences and Social Work

THE DEPARTMENT OF MILITARY SCIENCE

The Department of Military Science offers a four-year curriculum in leadership, both theoretical and practical. Students learn the fundamentals of leadership and then progress through increasing leadership responsibilities in order to improve individual levels of proficiency. Many other life skills such as time management, oral and written communication, first aid and personal and adventure training are also integrated into the program.

The Department of Military Science is part of the Army Reserve Officer Training Corps (ROTC) program. Students who wish to enroll or to contract as a Cadet must meet medical, physical and military screening standards. The program requires class attendance, leadership labs, off-campus training and may include internship opportunities. Both a major and a minor are offered by the department.

ROTC is traditionally a four-year program and consists of two phases: the Basic Course (usually completed during the freshman and sophomore years or obtained through advanced placement credit) and the Advanced Course (usually completed during the junior and senior years). Students with prior service, members of the Army Reserve or National Guard units and ROTC Basic Camp graduates may be eligible to waive the lower division courses and complete the program in two years.

Basic Course

(MS I/MS II) The Basic Course is open to all EWU students interested in basic leadership and military skills training without any military obligation. The freshman 100-level courses are 2 credit hours and consist of a one-hour classroom session and a two-hour leadership laboratory (three hours weekly). The sophomore 200-level courses are 3 credit hours and consist of a two-hour classroom session and a two-hour leadership laboratory (four hours weekly). Basic Course focus is on leader development and small group leadership with an emphasis on the fundamentals of military science training which offers students personal challenges and the opportunity to take ROTC for a test drive. Development of critical thinking and problem solving skills and improvement of oral and written communication skills in a variety of different situations will provide each student an environment to become a better leader and influence within a chosen profession. Between their sophomore and junior year, students may attend a four-week Leaders Training Course (LTC) at Fort Knox, KY to meet basic course requirements. Students are also afforded the opportunity to apply and compete for on-campus ROTC two- and three-year scholarships.

Advanced Course

(MS III/MS IV) Upon completion of the Basic Course or equivalent, students (Cadets) may be eligible for entrance into the Advanced Course. Eligible students must be selected by the ROTC Cadre prior to enrollment in the Advanced Course. The Advanced Course is a two-year curriculum consisting of classroom instruction, leadership training, physical fitness training and military field exercise and training. Advanced Course focus is on small unit level leader development, problem solving and critical thinking, time versus task management and analysis while simultaneously completing military skills. The junior level 300-level courses prepare Cadets to succeed as individuals and as small unit leaders at the squad level in preparation for summer training and evaluations. Junior level students attend a 29-day Leadership Development and Assessment Course (LDAC) at Fort Lewis, Washington, during the summer between their junior and senior years. While attending LDAC students are paid for their time at the course and for round-trip travel expenses. The senior level 400-level courses prepare Cadets to succeed as a junior officer leader as they plan and lead all unit training events. Completion of the Advanced Course qualifies the student to apply and compete for a commission in the United States Army, either on active duty, in the Army Reserves or in the Army National Guard.

Financial Assistance

Each contracted Cadet receives a tax-free stipend allowance of $300–$500 a month for up to ten months a year. There are also cooperative programs with the Army Reserve and Army National Guard that pay 100% up to $4500 (per academic year) for tuition and fees, monthly drill pay and the ROTC stipend for MS II, III and IV students. Students who join the Army Reserve and Army National Guard and finish Basic Training and Advanced Individual Training (AIT) will qualify for the Montgomery GI Bill ($317/month per academic year) and the GI Bill Kicker ($200–$350/month per academic year).

Scholarships

The ROTC program offers four, three and two-year scholarships for eligible students. Every scholarship provides full tuition, $1200 annual allowance for books and class fees in addition to a tax-free stipend of $300 per month for contracted freshmen, $350 per month for sophomores, $450 per month for juniors and $500 per month for seniors during the academic school year.

Four-Year National Scholarship Program

Interested students apply while still in high school at www.goarmy.com/rotc. Beginning in February of each year, high school juniors may apply for the university academic year after their high school graduation. An early decision cycle is offered for applications submitted by July 15 of each year between the junior and senior high school years. Application deadline for high school seniors is January 10 of each year. Interested applicants DO NOT incur any military obligation by simply applying for a scholarship. Scholarship decisions and notification of scholarship winners begin after February 15 of each year. Interested students should contact the EWU ROTC Scholarship Officer at 509.359.6110 or call nationwide 1.800.USA.ROTC.

Two and Three Year On-Campus Scholarship Program

This program is open to qualified students already accepted at EWU. Interested students DO NOT incur any military obligation by applying for a scholarship. Contact the EWU ROTC Scholarship Officer at 509.359.6110 to apply.

Extracurricular Activities

Special Qualification Training: Advanced Course and select Basic Course students may participate in confidence-building schools such as Air Assault School, Airborne School, Northern Warfare School, Cultural Language Program (CULP) and Cadet Troop Leader Training (CTLT).

Color Guard: The Eastern Washington University ROTC Color Guard participates in a variety of school and civic functions where precision drill or presentation of the United States Flag is required.

Ranger Challenge: ROTC Cadets compete annually in a military skills and fitness competition with other schools in the region. This program is designed for those Cadets interested in challenging themselves mentally and physically while learning to co-operate as a member of a team.

Intramural Sports: The Department of Military Science sponsors teams which participate in basketball, volleyball, softball and other sports of the EWU Intramural program. Uniforms and equipment are provided by the Department of Military Science.

Required courses in the following programs of study may have prerequisites. Reference the course description section for clarification.

BACHELOR OF ARTS (BA)

Student Learning Outcomes—students will:

• know and apply basic individual and unit military skills and leadership while functioning in a tactical environment as a member of a squad or platoon;
• know and apply time management skills and troop leading procedures to develop and articulate a complete five paragraph Operations Order;
• know and apply a basic understanding of Army operations, training management, safety, risk management, counseling and communications as a member of the Cadet Battalion Chain-of-Command;
• critically analyze the current Operational Environment in which our Armed Forces are deployed to better prepare to serve as a Platoon Leader.
MILITARY SCIENCE MAJOR (116 CREDITS)

Although not required for completion of the basic course or the advanced course, the department does offer both a major and a minor in Military Science with permission only. The major in Military Science is designed to give the student interested in a military career a broad background in various academic areas.

Note: two years of a single high school foreign language or one year of a single college-level foreign language is required.

Required Courses (116 credits)
CMST 430 Communication in Organizations (5)
CMST 451 Argumentation and Persuasion (5)
PSYC 381 Social Psychology (5)*

One of the following
CMST 411 Negotiation Skills and Strategies (5)
PSYC 431 Stress and Coping (5)
SOC 263 Social Problems (5)

CULTURAL AWARENESS FOR MILITARY LEADERS (20 CREDITS)

ANTH 336 Geographies of Conflict in the Middle East (5)
GOVT 327 Politics of Developing Nations (5)

One of the following
ANTH 320 Middle Eastern History and Culture (5)
ANTH 342 Tribes, Bands and Chiefdoms (5)

One of the following
HIST 301 History of Present (5)
HIST 310 Colonialism and Nationalism in Southeast Asia (5)

U.S. GOVERNMENT AND POLICY (20 CREDITS)

ECON 450 Public Finance and Public Policy (5)*

Two of the following
GOVT 321 International Organizations (5)*
GOVT 332 The U.S. Presidency (5)*
GOVT 335 U.S. Congress (5)*

One of the following
ECON 412 Economic History of the United States (5)
ECON 470 International Economics (5)*
ECON 474 International Finance (5)*
ECON 475 Economic Development (5)*

MODERN US MILITARY HISTORY (20 CREDITS)

HIST 301 History of the Present (5)
HIST 481 History of American Foreign Relations from 1898 (5)

Two of the following
HIST 440 History of World War I (5)
HIST 441 History of World War II (5)
HIST 454 Diplomatic History of Europe, 1914 to the Present (5)
HIST 487 Economic History of the United States (5)

CERTIFICATE IN GEOGRAPHIC INFORMATION SYSTEMS (27 CREDITS)

GEOG 323 GIS for Environmental Science (3)
GEOG 328 Geographic Information Systems I (5)
GEOG 428 Geographic Information Systems II (5)
GEOG 429 Geographic Information Systems III (5) (replaces MLSC 495 (6))
GEOG 493 GIS Portfolio (2)

One of the following
GEOG 332 Geography of Latin America (4)
GEOG 335 Geography of Monsoon Asia (4)
GEOG 339 The Geography of the Pacific Rim (4)
GEOG 336 Geographies of Conflict in the Middle East (5)

One of the following
GEOG 321 GIS for Social Sciences (3)
GEOG 427 Desktop Mapping (3)
GEOG 499 Directed Study (3)

HEALTH SERVICES MANAGEMENT MINOR (20 CREDITS)

HSAD 300 Health Care Organization and Administration (4)
HSAD 310 Health Care Supervision (4)
HSAD 322 Health Care Technology (4)
HSAD 410 Health Law, Regulation and Ethics (4)
HSAD 435 Process Improvement in Health Care (4)

JOURNALISM MINOR (20 OR 22 CREDITS)

JRNM 330 Mass News Media (5)
JRNM 332 News Writing (5)

And one of the following options
Reporting
JRNM 335 Advanced News Writing (5)
JRNM 341 Reporting (5)

Public Relations
JRNM 451 Introduction to Public Relations Theory (4)
JRNM 452 Advanced Public Relations Theory (4)
JRNM 453 Public Relations Writing (4)

Note: *classes require prerequisites.

Note: the above major will require more than 12 terms (or four years) to complete at an average of 15 credits per term.

Total credits for above major 116 credits

MINOR

MILITARY SCIENCE MINOR (37 CREDITS)

Note English, Mathematics, Computer Literacy must meet university requirements.

Required Courses
HIST 350 War and Society (5)
MLSC 301 Military Science and Tactics I (2)
MLSC 302 Military Science and Tactics II (2)
MLSC 303 Military Science and Tactics III (2)
MLSC 304 Military Science and Tactics Lab (2, 2, 2)*
MLSC 307 Leadership Development and Assessment (8)
MLSC 401 Military Science and Officership I (2)
MLSC 402 Military Science and Officership II (2)
MLSC 403 Military Science and Officership III (2)
MLSC 404 Military Science and Tactics Lab (2, 2, 2)*
MLSC 490 Military Leadership Senior Capstone (5)

Two of the following
GOVT 332 The U.S. Presidency (5)*
GOVT 335 U.S. Congress (5)*

One of the following
ECON 412 Economic History of the United States (5)
ECON 470 International Economics (5)*
ECON 474 International Finance (5)*
ECON 475 Economic Development (5)*

Total credits for above minor 37 credits
Military Science Courses

Terms offered: fall, winter, spring, summer (FWSU).
If no terms are indicated, check with the department or EagleNET.

MLSC 101 Basic Military Skills I (1)
Prerequisite: permission of the department chair.
MLSC 101 introduces students to the personal challenges and competencies that are critical for effective military leadership. Students learn how the personal development of life skills such as time management, physical fitness, and stress management relate to leadership, Officership, and Army operations. Focus is placed on developing basic knowledge and comprehension of Army Leadership Dimensions while gaining a big picture understanding of the ROTC program, its purpose in the Army, and its advantages for the student.

MLSC 102 Basic Military Skills II (1)
Prerequisite: permission of the department chair.
MLSC 102 presents an overview of leadership fundamentals such as setting direction, problem-solving, listening, presenting briefs, providing feedback and using effective writing skills. Students explore dimensions of leadership values, attributes, and competencies in the context of practical hands-on, and interactive exercises. Cadre role models and the building of stronger relationships among the students through common experience and practical leadership situations that demand decisions to solve and decision making processes. Students are responsible for the evaluation, counseling and mentoring of 10 to 30 subordinates and team members.

MLSC 103 Basic Military Skills III (1)
Prerequisite: permission of the department chair.
This course builds on the fundamentals developed in MLSC 101/102 and focuses on learning problem solving and decision making processes. Students continue to be placed in various small group leadership situations that demand decisions to ethical and moral problems. Cadre role models and the building of stronger relationships among the students through common experience and practical interaction are critical aspects of the MLSC 103 experience.

MLSC 104 Basic Military Skills Lab (1)
Note: this course is repeatable.
Prerequisite: MLSC 101 or 102 or 103 concurrently.
This lab is focused on basic military skills such as land navigation, first aid, the Army Warrior Task Training, (WTT), weapons marksmanship as well as the development of leadership, stressing the practical application of leadership principles, techniques, styles and responsibilities. Students also participate as a member of a team or as a leader of the team given responsibility for accomplishment of given tasks. MS I students operate as members of a team.

MLSC 201 Basic Military Team Building I (2)
Prerequisite: permission of the department chair.
MLSC 201 explores the dimensions of creative and innovative tactical leadership strategies and styles by examining team dynamics and two historical leadership theories that form the basis of the Army Leadership Requirements Model. Study, practice, and application of Army Leadership, Officership, Army values and ethics, personal development, and small unit tactics at the team and squad level. Each student will be capable of planning, coordinating, navigating, and leading a team or squad in the execution of a tactical mission. MS II students rotate through a variety of leadership positions that support ROCC battalion training and recruiting events. The MS III student receives detailed and constructive feedback on their leader attributes and core leader competencies.

MLSC 202 Basic Military Team Building II (2)
Prerequisite: permission of the department chair.
MLSC 202 examines the challenges of leading tactical teams in the complex contemporary operating environment (COE). The course highlights dimensions of terrain analysis, patrolling and operationsorden combat operations. The study of theoretical and practical aspects of Army Leadership Requirements Model explores the dynamics of adaptive leadership in the context of military operations in a constantly changing world and applies these challenges to practical Army leadership tasks and situations.

MLSC 203 Basic Military Team Building III (2)
Prerequisite: permission of the department chair.
MLSC 203 provides a horizontal transition into MLSC 301. Students develop greater self awareness as they assess their own leadership styles and practice communication and team-building skills. COE case studies provide insight into the importance and practice of teamwork and tactics in real-world scenarios.

MLSC 204 Basic Military Team Building Lab (1)
Note: this course is repeatable.
Prerequisite: MLSC 202 or 203 concurrently.
This lab is focused on basic military skills such as land navigation, first aid, the Army Warrior Task Training, (WTT), weapons marksmanship as well as the development of leadership, stressing the practical application of leadership principles, techniques, styles and responsibilities. Students also participate as a member of a team or as a leader of the team given responsibility for accomplishment of given tasks. MS II students rotate through a variety of leadership positions that support ROCC battalion training and recruiting events. The MS III student receives detailed and constructive feedback on their leader attributes and core leader competencies.

MLSC 205 Leadership Development and Assessment Course (1)
Prerequisite: permission of the department chair.
MLSC 205 provides a horizontal transition into MLSC 301. Students develop greater self awareness as they assess their own leadership styles and practice communication and team-building skills. COE case studies provide insight into the importance and practice of teamwork and tactics in real-world scenarios.

MLSC 301 Military Science and Tactics I (2)
Prerequisite: permission of the department chair.
MLSC 301 challenges students to study, practice, and apply the fundamentals of Army leadership, Officership, Army values and ethics, personal development, and small unit tactics at the team and squad level. Each student will be capable of planning, coordinating, navigating, and leading a team or squad in the execution of a tactical in a field environment. In addition, MS III students rotate through a variety of leadership positions that support ROCC battalion training and recruiting events. The MS III student receives detailed and constructive feedback on their leader attributes and core leader competencies.

MLSC 302 Military Science and Tactics II (2)
Prerequisite: MLSC 301.
MLSC 302 challenges students to continue in the study, practice, and application of Army leadership, Officership, Army values and ethics, personal development, and small unit tactics at the team and squad level. Each student will be capable of planning, coordinating, navigating, motivating and leading a team or squad in the execution of a tactical in a field environment. The MS III students rotate through a variety of leadership positions that support ROCC battalion training and recruiting events throughout the quarter. The MS III students receive detailed and constructive feedback on their leader attributes and core leader competencies.

MLSC 303 Military Science and Tactics III (2)
Prerequisite: MLSC 302.
MLSC 303 is the final review of advanced land navigation techniques, communication and small unit tactics in preparation for the thirty-day summer Leadership Development and Assessment Course (LDAC)(MLSC 307) at Fort Lewis, WA. MS III students rotate through a variety of leadership positions that support ROCC battalion training and recruiting events. The MS III student receives detailed and constructive feedback on their leader attributes and core leader competencies.

MLSC 304 Military Science and Tactics Lab (2)
Note: this course is repeatable.
Prerequisite: completion of ROCC Basic Course (MLSC 101 and 200 series) or department chair approval required.

An advanced training exercise in the development of leadership, that stresses the practical application of leadership principles, techniques, styles and responsibilities, focusing on planning, resourcing and execution. Students are responsible for the evaluation, counseling and mentoring of 10 to 30 subordinates and team members.

MLSC 307 Leadership Development and Assessment (8)
Prerequisite: permission of the department chair.
The summer following their junior year, cadets attend the Leadership Development and Assessment Course (LDAC), a five-week course at Ft. Lewis, WA. It is designed to evaluate a cadet’s leadership abilities while providing additional leadership and individual skills instruction.

MLSC 399 Individual Studies (1–5)
Prerequisite: permission of the instructor, department chair and college dean.
Topics are mutually agreed on by the student and the instructor.

MLSC 401 Military Science and Officership I (2)
The MLSC 401 course transitions the focus of student learning from being trained, mentored and evaluated as an MS III Cadet to learning how to train, mentor and evaluate underclass Cadets. MS IV Cadets will learn the duties and responsibilities of an Army staff officer and apply the Military Decision Making Process (MDMP), Army writing style and the Army’s principles of training and training management cycle during weekly training meetings to plan, execute and assess battalion training events. Cadets will learn about the special trust proposed by the U.S. Constitution to Army Officers; a trust above and beyond other professions. Cadets will learn Army values and ethics and how to apply them to everyday life as well as in the Contemporary Operating Environment. The MS IV Cadet will learn about the officer’s role in the Uniform Code of Military Justice, counseling subordinates, administrative actions and methods to best manage their career as an Army Officer.

MLSC 402 Military Science and Officership II (2)
Prerequisite: MLSC 401.
This course continues MLSC 401 instruction on how to train, mentor and evaluate subordinates. MS IV Cadets function as a Cadet staff officer and apply the Military Decision Making Process (MDMP), Army writing style and the Army’s principles of training and training management cycle during weekly training meetings to plan, execute and assess battalion training events.

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MLSC 403  Military Science and Officership III (2)
Prerequisite: MLSC 402.
This is the final course a Cadet takes prior to commissioning and graduating. MSL IV Cadets complete their last quarter as a Cadet staff officer and apply the Military Decision Making Process (MDMP), Army writing style and the Army’s principles of training and training management cycle during weekly meetings. Cadets apply the special trust as they transition to Army Officers. Cadets live Army values and ethics and apply them to everyday life. The MSIV Cadet continues to learn about the officer’s role in the Uniform Code of Military Justice, counseling subordinates, administrative actions and methods on how to best manage their career as an Army Officer.

MLSC 404  Military Science and Tactics IV Lab (2)
Note: this course is repeatable.
Prerequisite: permission of the department chair.
This course is an advanced training exercise in the development of leadership, stressing the practical application of leadership principles, techniques, styles and responsibilities. It focuses on leadership planning, resourcing and execution. MS IV Cadets plan and execute training exercises for the Basic Course Cadets and assist the cadre in the execution and evaluation of the MS III students.

MLSC 490  Military Leadership Senior Capstone (5)
Prerequisite: MLSC 307 and senior standing; or permission of instructor.
Satisfies: senior capstone university graduation requirement.
This course is a senior-level seminar designed to integrate and further refine the analytical, writing, and presentation skills acquired as a Military Science major and Army Officer. The course covers case studies and analyses of actual leadership examples from past and present military exercises and engagements. Students prepare and present an original, extensive case study and analysis of military leadership, if possible relating to the student’s actual assignment in the Active or Reserve Component of the Armed Forces.

MLSC 495  Professional Internship (1–5)
Prerequisite: permission of the instructor, department chair and college dean.
Provides practical military experience through participation in a work experience program. Requires a detailed written report. The program is mutually agreed upon by students and instructor.

MLSC 499  Individual Studies (1–5)
Prerequisite: permission of the instructor, department chair and college dean.
Topics are mutually agreed on by students and the instructor.

War will exist until that distant day when the conscientious objector enjoys the same reputation and prestige that the warrior does today.
John F. Kennedy, 35th U.S. president (1917–1963)
UNDERGRADUATE PROGRAMS

Major and Minor Programs; Basic Language Instruction

The Department of Modern Languages and Literatures offers full major programs in French and Spanish, leading to the Bachelor of Arts and the Bachelor of Arts in Education. Minor programs in German and Japanese are also available. Graduate work leading to the Master of Education in Multilingual/Multicultural Education and the Bachelor of Arts in Education, Minor programs in German and Japanese are also available. Information on graduate programs is included in the Graduate Studies section of the catalog. Information on the Bachelor of Arts can be found in the College of Arts, Letters & Education section of the catalog.

The Department of Modern Languages and Literatures promotes several kinds of values within the academic community and the pursuit of these values constitutes, in a broad sense, the educational mission of the department.

Practical Values: the instruction of basic, intermediate and advanced foreign or second language skills allows students to acquire practical knowledge in the speaking, listening comprehension, reading and writing of the target language.

Intellectual Values: through all levels of learning in language and literature programs the student pursues:
1. an understanding about the phenomenon of language,
2. enhanced skills in inquiry, analysis and the exercise of critical faculties and
3. an understanding about the individual nature of the more specialized discourse in cultural and literary studies.

Aesthetic Values: the study of the literature and of other creative forms of human expression associated with a given national culture promotes greater discrimination and greater enjoyment in aesthetic experience.

Cultural Values: the language, literature and culture courses within the language program promote:
1. the knowledge and appreciation of cultural history and
2. the awareness of the ideas, manners, customs, skills and other cultural attributes that define a particular people as well as a sensitivity to the phenomenon of cultural diversity.

Study Abroad Opportunities

The Department of Modern Languages and Literatures recommends that students complete the equivalent of at least two years of university language study before taking advantage of a study abroad program.

Summer study abroad programs are available in France at the University of Nice, and in Spain at the Escuela Internacional. Eastern also has established student exchanges with one or more universities in Australia, Japan, Mexico and Germany (as well as with several universities where English is the language of instruction). Since there are often such programs in the development stage and since students have access to the study abroad programs of other American universities as well, students who are interested in exchange opportunities should check with Modern Languages and Literatures and with the Study Abroad Office for the latest information.

Placement in Language Courses

Students are welcome to consult with the chair of the department and/or with a language program faculty member in advance of enrollment. The Department of Modern Languages and Literatures is in Patterson Hall, suite 133. The reception number of the department is 509.359.2481. The phone numbers and email addresses of the chair and program faculty are also available on the university’s website.

When students enroll first enroll in a language course they should follow the guidelines below. If they are in any doubt about appropriate placement, they should consult with their teachers during the first day or two of the quarter.

The first-and/or second-year courses in languages need to be taken in a sequence. The information below intends to provide guidelines for students in determining where they should place themselves in a language course sequence, based on where they ended previous language study. (A separate set of guidelines—Advanced Placement (AP) Test Credit—governs credit and placement for students who have taken the national AP Test.)

No Previous Study: students who have no prior study or knowledge of a language should begin study with 101, normally offered only fall quarter.

High School Language Experience

The state of Washington has established equivalency standards for high school and college/university language instruction. Under those official standards, one year of high school language study equals one quarter of university study; two years of high school equal two quarters at university; three years high school equal the entire first-year college/university sequence.

The following guidelines show where students should begin university study, according to their high school language background. Students should begin university study in the language program(s) in which they have the greatest experience. Within each program students may begin at 101 (fall quarter), 201 (fall quarter), 102 (spring quarter), 202 (spring quarter), 103 (fall quarter) or 203 (spring quarter) depending on their level of proficiency. They must have a written waiver from the Department of Modern Languages and Literatures in order to receive credit if they begin with 101.

Students with one year of high school language study should place themselves in a 102 section (normally winter quarter) at EWU. After completing 102, they become eligible for proficiency placement credit. They may also elect to begin with 201 (fall quarter).

Students with two years of high school language study should place themselves in a 103 section (spring quarter) at EWU. After completing 103 (and additional coursework), they become eligible for proficiency placement credit. They may also elect to begin with 102 (winter quarter), but they must have a written waiver from the Department of Modern Languages and Literatures in order to receive credit if they begin with 101.

Students with three years of high school language study should place themselves in a 201 section (full quarter) at EWU. After completing 201 (and additional coursework), they become eligible for proficiency placement credit. They may also elect to begin with 103 (spring quarter), but they must have a written waiver from the Department of Modern Languages and Literatures in order to receive credit if they begin with 102 or lower.

Students with more than three years of high school language study should place themselves in a 203 section (fall quarter) at EWU. After completing 201 (and additional coursework), they become eligible for proficiency placement credit. They must have a written waiver from the Department of Modern Languages and Literatures in order to receive credit if they begin with 103 or lower.

College/University Language Experience

Students who have prior university credit for language study may not repeat equivalent courses at EWU for additional credit. They should continue language study in sequence from the point they ended previous study.

Other Intermediate or Advanced Language Experience

Students who believe that they have attained intermediate or advanced knowledge in a language through previous experience may take the proficiency test offered by a program or otherwise consult the program faculty before or at the time of initial enrollment in language courses. (A separate set of guidelines deals with Proficiency Placement Credit at the second-year level.)
Proficiency Placement Credit
The Department of Modern Languages and Literatures offers proficiency placement credit to students who enter EWU with some prior training and knowledge of foreign languages at the first- and/or second-year levels. These guidelines explain the conditions under which students may receive placement credit for previous language study.

First-Year Language Study
Students who through prior training or knowledge are able to skip 101, 102 and/or 103 classes in any foreign language may receive proficiency placement credit for these classes. To do this, they must complete an equivalent number of credit hours in the language program in question at appropriately higher course levels in the Department of Modern Languages and Literatures at EWU. The maximum proficiency placement credit for first-year study in one language is 15 credits.

Proficiency placement credit for first-year language study does not carry a grade and is not assigned a particular course number, but it does appear on the student’s transcript and does count toward the student’s 180 credit hour requirement for graduation.

Second-Year Language Study
Students who believe that they have attained intermediate or advanced knowledge in a language through previous experience may take the proficiency test offered by a program (or otherwise consult the program faculty for proficiency screening) to determine an appropriate placement.

We emphasize that it is extremely important for students in this situation to consult with the program faculty before or at the time of initial enrollment in language courses.

Proficiency placement credit for second-year language study carries a grade of PASS (P) for 201, 202 and/or 203 and is awarded contingent;

1. on passing the proficiency test or other proficiency screening by the program faculty before or at the time of initial enrollment in language courses and
2. on completing a minimum of 5 credits at the 200- and/or upper-division level.

Students who receive a P credit for second-year language study are also eligible for proficiency credit for first-year language study.

A. P. Test Credit
These guidelines to explain how the department awards course credit for students who have scored from 3 to 5 in a given language on the College Board’s Advanced Placement Test.

Students scoring a 3, 4, or 5 may receive credit in French, German, Japanese or Spanish with a grade of P when they matriculate at EWU.

- A score of 3 • may receive credit for 201 (5 credits)
- A score of 4 • may receive credit for 201, 202 (10 credits)
- A score of 5 • may receive credit for 201, 202, 203 (15 credits)

Study Abroad and Core Requirements for Spanish
Students majoring or minorin in Spanish must complete SPAN 310/SPAN 311, SPAN 320 (students going to Latin America)/SPAN 321 (students going to Spain) and GNML 390 on campus. Students studying abroad for more than two consecutive quarters may consult the advisors of the Spanish Program about exceptions to these requirements.

Students studying abroad for less than 10 weeks may have the credits courses transferred but these will not meet major/minor degree requirements with the exception of 2 credits of conversation courses at the advanced level (SPAN 305) and 5 credits of culture/humanities courses (upper division courses) which are valid as electives.

Grade Requirement for Majors and Minors: cumulative average ≥2.50.

Required courses in the following programs of study may have prerequisites. Reference the course description section for clarification.

BACHELOR OF ARTS (BA)
Student Learning Outcomes—students will:

- demonstrate proficiency in the oral language skills of listening and speaking;
- demonstrate proficiency in writing and reading;
- demonstrate knowledge of major themes, genres, movements in the history of the literature of the language culture under study;
- demonstrate an understanding of the interconnectedness of language, culture, history and literature;
- apply knowledge of the historical background of the language culture under study; show conversance in contemporary issues political, economic, social and artistic;
- demonstrate knowledge of the customs and idioms of the language culture under study in order to be able to respond to everyday situations in appropriate ways.

FRENCH MAJOR (45 CREDITS)
Required Courses (27 credits)
FREN 201 French Grammar and Composition (5)
FREN 202 French Grammar and Composition (5)
FREN 203 French Grammar and Composition (5)
FREN 310 Advanced Grammar and Composition (4)
FREN 320 French Civilization and Culture I (4)
or FREN 321 French Civilization and Culture II (4)
FREN 330 Introduction to French Literature (4)

Select from the following courses (9 credits)
FREN 430 17th Century French Literature and Culture (3)
FREN 431 18th Century French Literature and Culture (3)
FREN 433 19th Century French Literature and Culture (3)
FREN 496 Workshops, Short Courses, Conferences
or FREN 497 Special Topics (2–4)

Electives (9 credits)
FREN 305 French Conversation (2)
FREN 306 French Conversation (2)
FREN 320 French Civilization and Culture I (4)
or FREN 321 French Civilization and Culture II (4)
FREN 496 Workshops, Short Courses, Conferences
or FREN 497 Special Topics (2)

Required program credits 27 credits
Required select from the following credits 9 credits
Elective credits 9 credits
Total credits for above major 45 credits

Note: the above major requires the completion of a minor.

FRENCH MAJOR (60 CREDITS)
Required Courses—SAME AS FOR 45 CREDIT MAJOR (27 credits)
Electives (33 credits)
Select courses above FREN 300

Required program credits 27 credits
Elective credits 33 credits
Total credits for above major 60 credits

SPANISH MAJOR (45 CREDITS)
Required Courses (34 credits)
SPAN 201 Second-Year Spanish (5)
SPAN 202 Second-Year Spanish (5)
SPAN 203 Introduction to Advanced Spanish (5)
SPAN 310 Advanced Grammar and Composition (3)
SPAN 311 Advanced Grammar and Composition (3)
SPAN 320 Spanish Civilization (5)
SPAN 321 Spanish-American Civilization and Culture (5)
SPAN 338 Survey of Spanish Literature (3)
or SPAN 339 Survey of Spanish-American Literature (3)
or SPAN 340 Introduction to Spanish Linguistics (3)

Electives (11 credits)
Select courses above SPAN 300

Required program credits 34 credits
Elective credits 11 credits
Total credits for above major 45 credits

Note: the above major requires the completion of a minor.

SPANISH MAJOR (60 CREDITS)
Required Courses—SAME AS FOR 45 CREDIT MAJOR (34 credits)
Electives (26 credits)
Select courses above SPAN 300

Required program credits 34 credits
Elective credits 26 credits
Total credits for above major 60 credits
BACHELOR OF ARTS IN EDUCATION (BAE)

Note: see the Education Department for prerequisites, core requirements and additional SLOs.

Student Learning Outcomes—students will:

- apply knowledge of the historical background of the language culture under study; show conversance in contemporary issues political, economic, social and artistic;
- demonstrate knowledge of the customs and idioms of the language culture under study in order to be able to respond to everyday situations in appropriate ways;
- apply knowledge of language teaching techniques, methods and materials; demonstrate and apply knowledge of grammatical concepts and structures in preparation for the teaching profession;
- demonstrate proficiency in the oral language skills of listening and speaking; demonstrate proficiency in writing and reading;
- demonstrate knowledge of major themes, genres, movements in the history of the literature of the language culture under study; demonstrate an understanding of the interconnectedness of language, culture, history and literature.

Note: Students preparing for teaching certification in a language should be aware that they will need to pass the ACTFL written and oral tests before beginning student teaching. See the department webpage or contact the department chair or a language program advisor for more information.

FRENCH/ELEMENTARY OR SECONDARY MAJOR (49 CREDITS)

Students can choose either the Elementary or the Secondary Core.

ELEMENTARY EDUCATION CORE (70 CREDITS)
SECONDARY EDUCATION CORE (43 CREDITS)

This major satisfies the endorsement for preschool to grade 12.

Required Courses (38 credits)
- FREN 201 French Grammar and Composition (5)
- FREN 202 French Grammar and Composition (5)
- FREN 203 French Grammar and Composition (5)
- FREN 310 Advanced Grammar and Composition (4)
- FREN 320 French Civilization and Culture I (4)
- or FREN 321 French Civilization and Culture II (4)
- FREN 330 Introduction to French Literature (4)
- GNML 390 Foreign Language Methods (4)

Select from the following courses (9 credits)
- FREN 410 17th Century French Literature and Culture (3)
- FREN 451 18th Century French Literature and Culture (3)
- FREN 453 19th Century French Literature and Culture (3)
- FREN 496 Workshops, Short Courses, Conferences or FREN 497 Special Topics (2–4)

Electives (9 credits)
- FREN 305 French Conversation (2)
- FREN 306 French Conversation (2)
- FREN 320 French Civilization and Culture I (4)
- or FREN 321 French Civilization and Culture II (4)
- FREN 496 Workshops, Short Courses, Conferences or FREN 497 Special Topics (2–4)

Required program credits 31 credits
Required select from the following credits 9 credits
Elective credits 9 credits
Total credits for above major 49 credits

Note: students who do not have sufficient high school language preparation to begin FREN 201 will require more than 12 quarters to complete the BAE; students who want to have a second endorsement in a minor field will require more than 12 quarters to complete the BAE.

MINORS

FRENCH MINOR (15 CREDITS)

Required Courses
- FREN 201 French Grammar and Composition (5)
- FREN 202 French Grammar and Composition (5)
- FREN 203 French Grammar and Composition (5)

Total credits for above minor 15 credits

FRENCH/ELEMENTARY OR SECONDARY MINOR (29 CREDITS)

This minor satisfies the endorsement for preschool to grade 12.

Required Courses
- FREN 201 French Grammar and Composition (5)
- FREN 202 French Grammar and Composition (5)
- FREN 203 French Grammar and Composition (5)
- FREN 305 French Conversation (2)
- or FREN 306 French Conversation (2)
- FREN 310 Advanced Grammar and Composition (4)
- FREN 320 French Civilization and Culture I (4)
- or FREN 321 French Civilization and Culture II (4)
- GNML 390 Foreign Language Methods (4)

Total credits for above minor 29 credits

GERMAN MINOR (17 CREDITS)

Required Courses (15 credits)
- GERM 201 Second-Year German (5)
- GERM 202 Second-Year German (5)
- GERM 203 Second-Year German (5)

Electives (2 credits)
- Select courses above GERM 300

Required program credits 15 credits
Elective credits 2 credits
Total credits for above minor 17 credits
GERMAN/ELEMENTARY OR SECONDARY MINOR (30–31 CREDITS)

This minor satisfies the endorsement for preschool to grade 12.

**Required Courses (19 credits)**
- GERM 201 Second-Year German (5)
- GERM 202 Second-Year German (5)
- GERM 203 Second-Year German (5)
- GNML 390 Foreign Language Methods (4)

**Electives**
- Select two courses from the following (5–6 credits)
  - GERM 305 German Conversation (2)
  - GERM 310 Advanced Grammar and Composition (3)
  - GERM 311 Advanced Grammar and Composition (3)
- Select one course from the following (3 credits)
  - GERM 320 German Civilization and Culture (3)
  - GERM 321 German Civilization and Culture (3)
  - GERM 331 Contemporary Issues (3)
- Select one course from the following (3 credits)
  - GERM 330 Selections of German Writings (3)
  - GERM 430 18th Century German Literature (3)
  - GERM 431 19th Century German Literature (3)
  - GERM 432 20th Century German Literature (3)
  - GERM 433 Contemporary Literature (3)
  - GERM 434 Studies in German Writings (3)

**Required program credits**
- 19 credits

**Minimum total credits for above minor**
- 15 credits

**JAPANESE MINOR (15 CREDITS)**

**Required Courses**
- JAPN 201 Second-Year Japanese (5)
- JAPN 202 Second-Year Japanese (5)
- JAPN 203 Second-Year Japanese (5)

**Total credits for above minor**
- 15 credits

**SPANISH MINOR (17 CREDITS)**

**Required Courses (15 credits)**
- SPAN 201 Second-Year Spanish (5)
- SPAN 202 Second-Year Spanish (5)
- SPAN 203 Introduction to Advanced Spanish (5)

**Electives (2 credits)**
- Select courses above SPAN 300

**Required program credits**
- 17 credits

**GRADUATE PROGRAM**

**MASTER OF EDUCATION**

Margaret Heady, Program Advisor
Florian Preisig, Program Advisor

133 Patterson Hall 509.359.2861
509.359.6001

**Student Learning Outcomes—students will:**
- demonstrate knowledge of the customs and idioms of the language culture under study in order to be able to respond to everyday situations in appropriate ways;
- demonstrate proficiency in the oral language skills of listening and speaking; demonstrate proficiency in writing and reading;
- apply knowledge of the historical background of the language culture under study; show conversance in contemporary issues political, economic, social and artistic; demonstrate an ability to draw comparisons between the students native culture and the language culture under study and/or among the cultures of the various regions and nations of the language culture;
- apply knowledge of methods of educational research; psychological foundations of education; and historical, philosophical and social foundations of education;
- demonstrate knowledge of major themes, genres, movements in the history of the literature of the language culture under study; demonstrate an understanding of the interconnectedness of language, culture, history and literature.

The Master of Education in Modern Languages allows students to specialize in French only. Individual programs are planned with an appropriate advisor from the Modern Languages Department. This specialization is offered principally for secondary foreign language teachers. Students must follow all of the requirements for the Master of Education.

**New Disclosures Related to Written Arrangements (Sec. 668.43)**
- Twenty out of 48 credits are earned through coursework at the University of Nice, although students receive EWU credits for these courses.
- The University of Nice is located at:
  Université Internationale d’Été
  UFR Lettres, Arts et Sciences Humaines
  98, Boulevard Edouard Herriot–B.P. 3209
  06204 Nice Cedex 3—France
- All University of Nice courses are delivered in a classroom setting.
- Several program options are available, including tuition only, tuition and housing, and tuition, housing, and meals.
- Expenses not covered by the program fee include transportation, texts (generally not required), airport taxes, passport fees, spending money, gifts, incidentals, excursions, etc.

**Common Credit Requirements (16 credits)**
- EDUC 520 Methods of Educational Research or alternate as designated (4)
- Historical, Philosophical and Social Foundations of Education—any two for (8 credits)
  - EDUC 502 History of American Education (4)
  - EDUC 503 Contemporary Education in Other Societies (4)
  - EDUC 505 Current Issues in Education (4)
  - EDUC 506 Educational Sociology (4)
  - EDUC 507 Philosophy and Organization of the American School (4)
- Psychological Foundations of Education—(4 credits)
  - PSYC 515 Advanced Educational Psychology (4)
- Coursework in French. 400–500 level (24 credits)
  - Selected with the approval of the French advisor.

**Approved electives (8 credits)**
- The combination of the 24 credits of coursework in French and the 8 credits of approved electives must include 20 credits of 500 level coursework.

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<tr>
<th>Requirement</th>
<th>Credits</th>
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<tbody>
<tr>
<td>Common requirement credits</td>
<td>16 credits</td>
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<tr>
<td>French 400–500 level credits</td>
<td>24 credits</td>
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<tr>
<td>Elective credits</td>
<td>8 credits</td>
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<td>Total credits for above master’s degree</td>
<td>48 credits</td>
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</table>
Chinese Courses

CHIN 101 First-Year Chinese I (5)
The beginning Chinese sequence of courses, covering grammar, composition, conversation and discussion of cultural topics.

CHIN 102 First-Year Chinese II (5)
Prerequisite: CHIN 101 or equivalent.
See description under CHIN 101.

CHIN 103 First-Year Chinese III (5)
Prerequisite: CHIN 102 or equivalent.
See description under CHIN 101.

CHIN 201 Second-Year Chinese I (5)
Prerequisite: CHIN 103 or equivalent.
Second year sequence of courses, covering grammar, composition, conversation and discussion of cultural topics.

CHIN 202 Second-Year Chinese II (5)
Prerequisite: CHIN 201.
See description under CHIN 201.

CHIN 203 Second-Year Chinese III (5)
Prerequisite: CHIN 202 or equivalent.
See description under CHIN 201.

French Courses

Terms offered: fall, winter, spring, summer (FWSU).
If no terms are indicated, check with the department or EagleNET.

FREN 101 First-Year French I (5)
Grammar, composition, conversation and discussion of cultural topics.

FREN 102 First-Year French II (5)
Prerequisite: FREN 101 or equivalent.
See FREN 101.

FREN 103 First-Year French III (5)
Prerequisite: FREN 102 or equivalent.
See FREN 101.

FREN 113 Special Topics in French Language, Conversation and Culture (5)
Prerequisite: FREN 102 or equivalent.
A supplemental first-year course, covering grammar, composition and conversation and emphasizing discussion of cultural topics.

FREN 201 French Grammar and Composition (5)
Prerequisite: first-year French or equivalent.
A review of basic French grammar and intensive practice of basic French composition.

FREN 202 French Grammar and Composition (5)
Prerequisite: FREN 201 or equivalent.
See FREN 201.

FREN 203 French Grammar and Composition (5)
Prerequisite: FREN 202 or equivalent.
See FREN 201.

FREN 299 Special Studies (1–5)
Prerequisite: permission of the instructor, department chair and college dean.
Subjects vary according to faculty and student interest.

FREN 305 French Conversation (2)
Prerequisite: FREN 201 or permission of the instructor.
Concentrated drill in French conversation, discussing such subjects as the culture, civilization and current events of France.

FREN 306 French Conversation (2)
Prerequisite: FREN 201 or permission of the instructor.
Concentrated drill in French conversation, discussing such subjects as the culture, civilization and current events of France.

FREN 310 Advanced Grammar and Composition (4)
Prerequisite: FREN 203 or permission of the instructor.
An advanced French course stressing the review of grammar in such practical applications as writing and translation.

FREN 320 French Civilization and Culture I (4)
Prerequisite: FREN 203 or permission of the instructor.
Political, social, intellectual and artistic development of French culture from the beginning through 1789, the French Revolution.

FREN 321 French Civilization and Culture II (4)
Prerequisite: FREN 203 or permission of the instructor.
Political, social, intellectual and artistic development of French culture from the French Revolution of 1789 to the present.

FREN 330 Introduction to French Literature (4)
Note: content varies; course may be repeated.
Prerequisite: FREN 203.
Reading and discussion of selections in French prose, drama and poetry.

FREN 397 Workshop, Short Courses, Conferences (1–5)

FREN 398 Seminar (1–5)
Prerequisite: FREN 203 or permission of the instructor.

FREN 399 Directed Study (1–5)
Prerequisite: permission of the instructor, department chair and college dean.

FREN 430 17th Century French Literature and Culture (3)
Prerequisite: FREN 283 or permission of the instructor.
A survey of the major movements and the outstanding writers of the Classical Period in the context of their society.

FREN 431 18th Century French Literature and Culture (3)
Prerequisite: FREN 283 or permission of the instructor.
A survey of the major movements and the outstanding writers of the Age of Reason in the context of their society.

FREN 433 19th Century French Literature and Culture (3)
Prerequisite: FREN 283 or permission of the instructor.
A survey of the major movements and the outstanding writers of the 19th century in the context of their society.

FREN 496 Experimental Courses (1–5)

FREN 497 Workshops, Short Courses, Conferences (1–5)

FREN 498 Seminar (1–5)

FREN 499 Directed Study (1–5)
Prerequisite: permission of the instructor, department chair and college dean.

FREN 515 Applied Linguistics (5)
Emphasis on analysis and written expression in French and development of communication skills.

FREN 525 French Cultural Traditions (5)
Note: content varies according to the period covered, may be repeated for credit.
An investigation of the significant aspects of French Civilization since the beginning until and including Contemporary France.

FREN 530 French Literary Studies (5)
Note: content varies according to the period covered, may be repeated for credit.
The study of a period, a literary movement, or a particular author.

FREN 539 Seminar on Special Topics (1–5)

FREN 596 Experimental Course (1–5)

FREN 597 Workshops (5)
Note: only one workshop course for up to 3 credits may be used to fulfills graduate degree requirements.

FREN 598 Seminar (1–5)

FREN 599 Independent Study (1–5)
Prerequisite: permission of the instructor, department chair and college dean.

General Modern Languages Courses

Terms offered: fall, winter, spring, summer (FWSU).
If no terms are indicated, check with the department or EagleNET.

GNML 212 Modern World Masterpieces [in English] (5)
Satisfies: GEUP for humanities and fine arts, list 1, literature.
Literary works selected from 19th and 20th century world literature which illustrate themes and ideas central to modern Western culture, especially emphasizing the role of the individual in modern society.

GNML 299 Special Studies (1–5)
Prerequisite: permission of the instructor, department chair and college dean.

GNML 390 Foreign Language Methods (4)
Prerequisites: completion of second year of a foreign language, GPA 2.0, junior standing or permission of the instructor, pass comprehensive exam.
A survey of modern practices in the teaching of foreign languages.

C’est une grande habileté que de savoir cacher son habilité.
Rochefoucauld (1613–1680)
GERMAN COURSES

Terms offered: fall, winter, spring, summer (FWSU). If no terms are indicated, check with the department or EagleNET.

GERM 101 First-Year German I (5) F
The beginning German sequence of courses, covering grammar, composition, conversation, and discussion of cultural topics. 

GERM 102 First-Year German II (5) W
Prerequisite: GERM 101 or equivalent. See GERM 101.

GERM 103 First-Year German III (5) S
Prerequisite: GERM 102 or equivalent. See GERM 101.

GERM 113 Special Topics in German Language, Conversation and Culture (5)
Prerequisite: GERM 102 or equivalent. 
A supplemental first-year course, covering grammar, civilization and current events of the German-speaking countries.

GERM 201 Second-Year German I (5) F
Prerequisite: First-year German or equivalent. 
Intensive oral exercises and conversation, written exercises and composition, readings of intermediate difficulty.

GERM 202 Second-Year German II (5) W
Prerequisite: GERM 201 or equivalent. See GERM 201.

GERM 203 Second-Year German III (5) S
Prerequisite: GERM 202 or equivalent. See GERM 201.

GERM 299 Special Studies (1–5)
Prerequisite: Permission of the instructor, department chair and college dean. Subjects vary according to faculty and student interest.

GERM 305 German Conversation (2) S
Prerequisite: GERM 201 or permission of the instructor. 
Concentrated drill in German conversation, discussing such subjects as the culture, civilization and current events of the German-speaking countries.

GERM 310 Advanced Grammar and Composition (3) F
Prerequisite: GERM 203 or permission of the instructor. Advanced review of grammar, vocabulary building, extensive practice in writing, readings of intermediate/advanced level.

GERM 311 Advanced Grammar and Composition (3) W
Prerequisite: GERM 310 or permission of the instructor. See GERM 310.

GERM 320 German Civilization and Culture (3)
Prerequisite: GERM 203 or permission of the instructor. 
An examination of political, social, intellectual and artistic development of German culture from the beginnings to the present day.

GERM 321 German Civilization and Culture (3)
Prerequisite: GERM 203 or permission of the instructor. See GERM 320.

GERM 330 Selections of German Writings (3)
Prerequisite: GERM 203 or permission of the instructor. 
Surveys various aspects of German writings, such as great themes in German literature, popular literature, essays and biographical writings.

GERM 331 Contemporary Issues (3)
Prerequisite: GERM 203 or permission of the instructor. 
Examines major issues in contemporary German-speaking regions. Sample topics: school reform, women’s issues, environmental problems, peace movement, foreign workers, reunification, etc.

GERM 381 Nationalism and Racism in Central European Film (4)
Cross-listed: HIST 381.
Prerequisite: GERM 203. 
Satisfies: International Studies university graduation requirement.
This course provides the basic elements of film analysis and examines the depiction of national socialism, racism and the legacy of the Nazi past in German-speaking films by German and other Central European directors from the 1970s to the present. Evaluating criteria will differ depending on whether the course is taken for German or humanities credit.

GERM 382 20th Century Germany, From World Wars to Cold War, Culture, Political Conflict and National Identity (5) S
Cross-listed: HIST 382.
Prerequisite: ENGL 201 or permission of the instructor. 
Satisfies: International studies university graduation requirement. 
This interdisciplinary course introduces students to central problems in German history and culture, from the end of World War I to the end of the Cold War. Topics addressed include: the impact of World War I on German National Identity; Avant-garde culture in the Weimar Republic; the rise of Fascism and daily life in Nazi Germany; the Holocaust; cultural and political divisions between East and West Germany. GERM 383 Readings/Discussion of 20th Century Germany (1), is a companion course for German language students.

GERM 383 Readings/Discussion of 20th Century Germany (1)
Prerequisite: GERM 203. Discussion course for German students enrolled in HIST 382/GERM 382. Readings include memoirs, autobiographical texts, poems and short stories that focus on the history, culture and life experiences of Germans.

GERM 397 Workshop, Short Courses, Conferences (1–5)
Prerequisite: GERM 203 or permission of the instructor.

GERM 398 Seminar (1–5)
Prerequisite: GERM 203 or permission of the instructor.

GERM 399 Directed Study (1–5)
Prerequisite: Permission of the instructor, department chair and college dean.

GERM 430 18th Century German Literature (3)
Prerequisite: GERM 203 or permission of the instructor. 
A survey of the major movements and outstanding writers of the Enlightenment, the Storm and Stress and the Classical Period in the context of their society.

GERM 431 19th Century German Literature (3)
Prerequisite: GERM 203 or permission of the instructor. 
A survey of the major movements and outstanding writers of Romanticism, Realism and/or other movements in the context of their society.

GERM 432 20th Century German Literature (3)
Prerequisite: GERM 203 or permission of the instructor. 
A survey of the major movements and outstanding writers from the turn of the century to 1945 in the context of their society.

GERM 433 Contemporary Literature (3)
Prerequisite: GERM 203 or permission of the instructor. 
A survey of the major movements and outstanding writers of the period after 1945 in the context of their society.

GERM 434 Studies in German Writings (3)
Note: Content varies, may be repeated. 
Prerequisite: GERM 203 or permission of the instructor. 
Focus on a specific aspect of German letters and literature, for example, biographies, memoirs and correspondence, popular literature, a particular writer or genre.

GERM 497 Workshops, Short Courses, Conferences (1–5)
Prerequisite: Permission of the instructor, department chair and college dean.

GERM 498 Seminar (1–5)
Prerequisite: Permission of the instructor, department chair and college dean.

GERM 499 Directed Study (1–5)
Prerequisite: Permission of the instructor, department chair and college dean.

JAPANESE COURSES

Terms offered: fall, winter, spring, summer (FWSU). If no terms are indicated, check with the department or EagleNET.

JAPN 101 First-Year Japanese I (5) F
The beginning Japanese sequence of courses, covering grammar, composition, conversation and discussion of cultural topics.

JAPN 102 First-Year Japanese II (5) W
Prerequisite: JAPN 101 or equivalent. See JAPN 101.

JAPN 103 First-Year Japanese III (5) S
Prerequisite: JAPN 102 or equivalent. See JAPN 101.

JAPN 201 Second-Year Japanese (5) F
Prerequisite: First-year Japanese or equivalent. 
The intermediate Japanese sequences of courses. Continued progress in conversational skill and study of KANJI. Reading of Japanese texts.

JAPN 202 Second-Year Japanese (5) W
Prerequisite: JAPN 201 or equivalent. See JAPN 201.

JAPN 203 Second-Year Japanese (5) S
Prerequisite: JAPN 202 or equivalent. See JAPN 201.

JAPN 205 Japanese Conversation (2)
Prerequisite: JAPN 201 or permission of the instructor. 
Concentrated drill in Japanese conversation discussing such subjects as the culture, civilization and current events of Japan.

JAPN 331 Contemporary Issues I (2)
Prerequisite: JAPN 205 or instructor’s permission. 
Examines and discusses major contemporary issues in Japan. Topics include housing conditions, marriage and women’s social progress, the aging society, education, Japanese-style management, etc.

JAPN 332 Contemporary Issues II (2)
Prerequisite: JAPN 205 or instructor’s permission. See JAPN 331.

JAPN 380 Japan Today (4)
Cross-listed: INST 380. 
Prerequisite: ENGL 201 or instructor permission. 
Satisfies: International Studies university graduation requirement. 
A broad survey of contemporary Japan including society, culture, geography, government and economy. No knowledge of Japanese language required.
Spanish Courses

Terms offered: fall, winter, spring, summer (FWSU).
If no terms are indicated, check with the department or EagleNET.

SPAN 101 First-Year Spanish I (5) F
The beginning Spanish sequence of courses, covering grammar, composition, conversation and discussion of cultural topics.
Prerequisite: SPAN 101 or equivalent.

SPAN 102 First-Year Spanish II (5) W
The beginning Spanish sequence of courses, covering grammar, composition, conversation and discussion of cultural topics.
Prerequisite: SPAN 101 or equivalent.

SPAN 103 First-Year Spanish III (5) S
The beginning Spanish sequence of courses, covering grammar, composition, conversation and discussion of cultural topics.
Prerequisite: SPAN 102 or equivalent.

SPAN 113 Special Topics in Spanish (5)
This is a supplemental first year course, covering grammar, composition, reading and conversation that emphasizes discussion of cultural or social topics.
Prerequisite: SPAN 101.

SPAN 170 Introduction to Literature (5)
Note: in English, no knowledge of Spanish is required.
Satisfies: GECCR for humanities and fine arts, list 1, literature.
Examines, on the basis of selected Spanish works in English translation, literary approaches to human experience, including the short story, novel, poetry and drama; emphasizes the elements of literature with supporting discussion of ideas, attitudes, problems and values.

SPAN 201 Second-Year Spanish (5) F
Prerequisite: first-year Spanish or equivalent.
Intensive oral work to develop fluency, written composition and reading of medium difficulty from Spanish literature.

SPAN 202 Second-Year Spanish (5) W
Prerequisite: SPAN 201 or equivalent.
Intensive oral work to develop fluency, written composition and reading of medium difficulty from Spanish literature.

SPAN 203 Introduction to Advanced Spanish (5) S
Prerequisite: SPAN 202 or equivalent.
Grammar review and intensive oral work to develop fluency, written composition and reading of medium difficulty from Spanish literature.

SPAN 299 Special Studies (1–5)
Prerequisite: permission of the instructor, department chair and college dean.
Subjects vary according to faculty and student interest.

SPAN 305 Spanish Conversation and Composition (3)
Prerequisite: permission of the instructor.
This course encompasses a wide range of oral and written practice. Students will develop their cultural understanding of the Spanish world while targeting the four language skills through authentic material.

SPAN 310 Advanced Grammar and Composition (3, 5)
Prerequisite: SPAN 203 or permission of the instructor.

SPAN 311 Advanced Grammar and Composition (5) W
Prerequisite: SPAN 203 or permission of the instructor.

SPAN 312 Spanish for Heritage Speakers (5)
Prerequisite: being a heritage speaker, take an advanced placement test.
Satisfies: cultural and gender diversity university graduation requirement.
A grammar course oriented to Spanish Heritage speakers. The course will concentrate on specific linguistic problems of the Hispanic population.

SPAN 313 Spanish Composition for Heritage Speakers (5)
Prerequisite: placement required through the Department of Modern Languages and Literatures.
Satisfies: cultural and gender diversity university graduation requirement.
A course oriented to Spanish Heritage Speakers. The course concentrates on specific linguistic (writing and reading) and cultural issues of the Heritage population in the USA.

SPAN 320 Spanish Civilization (5)
Prerequisite: SPAN 203 or permission of the instructor.
Political, social, intellectual and artistic development of Spanish culture from the beginnings to the present day.

SPAN 321 Spanish American Civilization and Culture (5)
Prerequisite: SPAN 203 or permission of the instructor.
Poetic, social, intellectual and artistic development of Spanish American culture with emphasis on Spanish America today.

SPAN 338 Survey of Spanish Literature (3)
Prerequisite: SPAN 310 or SPAN 312.
Major works of literature from the Middle Ages to the present.

SPAN 339 Survey of Spanish American Literature (3)
Prerequisite: SPAN 310 or SPAN 312.
Major works of literature from the period of the Colonies to the present.

SPAN 340 Introduction to Spanish Linguistics (3)
Prerequisite: SPAN 310 and 311 or SPAN 312 and SPAN 320.
This course offers an introduction to the scientific study of Spanish. It will consist in an overview of descriptive linguistics: syntax, phonetics, semantics, sociolinguistics and some aspects of the history of the Spanish language. This class will also provide an exposure to the main issues in the area of language in contact and will examine a variety of Spanish dialects spoken in the United States.

SPAN 397 Workshop, Short Courses, Conferences (1–5)

SPAN 398 Seminar (1–5)
Prerequisite: SPAN 310 or SPAN 312.

SPAN 399 Directed Study (1–5)
Prerequisite: permission of the instructor, department chair and college dean.

SPAN 400 Spanish Poetry (3)
Note: may be repeated.
Prerequisite: SPAN 310 or SPAN 312.
Selected poems within a designated thematic or period framework. Content varies.

SPAN 473 Political and Philosophical Thought in Spain (3)
Prerequisite: SPAN 310 or SPAN 312.
Readings and discussion of some of the most significant works by writers and thinkers in Spain.

SPAN 474 Spanish Travel Narrative (3–5)
Prerequisite: SPAN 310 and SPAN 312 or SPAN 313 and SPAN 320.
This course is a chronological exploration of the connections between travel narratives and the construction of Hispanic identity. Students continue to develop their cultural understanding of the Spanish-speaking world while targeting the four language skills through material related to Spanish travel narratives.

SPAN 475 Women's Writing in Latin America (4)
Cross-listed: WAST 475.
Prerequisites: SPAN 310 or SPAN 312 and SPAN 321 or HIST 365.
This course offers an introduction to women’s writing in Latin America, focusing on narrative productions of the 20th century. We will discuss issues such as feminine representation and identity, women’s perspective and subjectivity through the reading and analysis of contemporary texts by Latin American women.

SPAN 477 Latin American Film (3–5)
Prerequisite: SPAN 310 and SPAN 312 or SPAN 313 and SPAN 320, 321.
This course reviews, discusses and analyzes the history of cinema in Latin America, major trends in Latin American cinema, and Latin American history and culture through its film production. Students have the opportunity to perform a variety of linguistic skills (reading, speaking, listening and writing).

SPAN 491 Spanish Senior Thesis (4)
Note: graded Pass/Fail.
Prerequisite: SPAN 310 and SPAN 312 or SPAN 313 and SPAN 320, 321 and at least one literature elective.
Satisfies: senior capstone university graduation requirement.
A course oriented toward the general research of cultural and literary aspects of the Hispanic world. Each student will select a topic at the beginning of the quarter from a number of topics suggested by the instructor. Discussion, critique and analysis of the cultural and literary topics selected by the student will configure the body of the thesis. Selected bibliography will be recommended by the instructor.

SPAN 497 Workshops, Short Courses, Conferences (1–5)

SPAN 498 Seminar (1–5)

SPAN 499 Directed Study (1–5)
Prerequisites: SPAN 310 or permission of the instructor, department chair and college dean.

1The term heritage speaker is used to refer to a student who is raised in a home where Spanish language is spoken, who speaks or merely understands the heritage language and who is to some degree bilingual in English and the heritage language, Spanish.
Through literacy you can begin to see the universe. Through music you can reach anybody.
Between the two there is you, unstoppable.
Grace Slick (b. 1939)
The Department of Music is committed to preparing students for a variety of music related careers. It also seeks to provide music instruction and experience for non majors. Its fully accredited degrees and options are offered for students who wish to become performers, composers, conductors, theorists, teachers, or scholars. MUSC 212 Music in the Humanities is open to all students and can be counted toward the General Education Core Requirements (GECRs). Opportunities also exist for private instruction in voice and instruments, as well as participation in musical ensembles—bands, choirs, orchestra, chamber ensembles and opera workshop. Numerous public concerts and recitals are presented throughout the school year by faculty and students of the Department of Music.

The goal of the department is to provide students with musical instruction and experience of the highest possible quality. Our belief is that the study of music significantly enables students to become informed, responsible and appreciative members of a democratic society—which is a professed goal of Eastern. We recognize differing needs of those for whom music is to become a profession and those for whom it will be an avocation or a listener’s art.

Facilities
Music students enjoy modern facilities featuring a state of the art piano laboratory with 16 units, 32 practice rooms, electronic music laboratory, three technically-enhanced classrooms and an extensive collection of record, scores and music reference materials located in the JFK Library. In addition, the department houses music classrooms, two large rehearsal rooms (vocal and instrumental) and a 250-seat capacity recital hall. The renovated Showalter Hall serves as an additional performance venue.

Opportunities (Scholarships)
The Department of Music has scholarships available to incoming freshmen and upperclassmen. For information on audition dates and scholarship details, phone 509.359.2241 or visit our website at www.ewu.edu/music

Employment Outlook or Placement
Our students have fared well in receiving employment following graduation. Students receive employment in music education, music businesses and performing groups (bands, symphonies, jazz/rock, etc.) as well as individual performances. Though the placement record of graduates of the Department of Music is excellent, employment is not guaranteed just because one receives a degree in music.

Undergraduate Degrees
The Bachelor of Music degree is intended for students planning professional careers as performers or composers. Students entering this major are required to have a high level of competence in their chosen performance area. The Bachelor of Arts in Music is recommended for students planning for music education, general studies in music or graduate studies in music history and literature.

Performance Concentrations: euphonium, bassoon, clarinet, flute, French horn, oboe, percussion, piano, saxophone, string bass, trombone, trumpet, tuba, viola, violin, cello, guitar, harp and voice.

Accreditation Information
The Department of Music is accredited by the National Association of Schools of Music. The department has been continuously accredited since 1963.

High School and Transfer Student Information
High school students considering a major in music should have a competent level of performance on an instrument or voice. Acceptance to the department is determined by audition. Participation in the school bands, choirs or choirs is encouraged. Students enrolling as music majors should contact the Department of Music office for advising. This refers to both entering freshmen and transfer students.

Admission Requirements for Transfer Students
Students transferring from community colleges should refer to the EWU Online Transfer Guide at www.ewu.edu. All transfers should have enrolled in a major ensemble (band, orchestra or choir) every term of attendance. In addition, you should have taken music lessons in your major performance area. Each transfer student will be administered a theory placement exam before classes begin. In some instances students may be required to repeat some theory classes in order to assure success in the music program upper division classes. In addition, transfer students are required to pass a Piano Proficiency Exam or register for MUSC 120 Piano Class. Transfer students may transfer a maximum of 90 credits.

Major Ensemble Requirement
All students seeking a major in music are required to participate in a major music ensemble appropriate to their principle area of performance each quarter of their university career except during the quarter of student teaching for Music Education majors. Major music ensembles, course numbers and credits are: MUSC 331 Band (2); MUSC 332 Orchestra (2); and MUSC 333 Symphonic Choir (2). Music Education majors are required to participate for one quarter in a major ensemble outside their principle area of performance.

Instruction Requirements and Information for Instrument or Voice
All students pursuing a major in music are expected to study their primary instrument or voice each quarter in residence with a resident instructor (except during student teaching). Every student who is registered for an applied lesson must be concurrently registered for a major ensemble. At the end of each quarter, students in applied lessons will perform in front of a jury panel made of all the area faculty members. Students seeking upper level applied instruction (300 level and above) must audition for a jury panel and be accepted by that panel by fall of their junior year.

All students must audition for acceptance to the department. Students registered for courses with multiple sections (piano and voice) should contact the instructors prior to pre-registration for correct assignments.

Convocation and Recital Policy
Enrollment in MUSC 110 Convocation and Recital Attendance is required of all music majors for 11 quarters. The required number for transfer students will be determined on an individual basis.

Minimum Grade Standards
The minimum acceptable grade for any music course required for graduation in all majors offered by the Music Department is 2.8. This standard also applies to courses transferred from other institutions.

Piano Proficiency Exam
Students must pass a Piano Proficiency Exam as a prerequisite to MUSC 202. Exams are usually taken at the conclusion of the third quarter of MUSC 122. All incoming freshmen and transfer students must take a Piano Placement exam prior to registration. Students may be placed in MUSC 120 or MUSC 121 in order to complete the Piano Proficiency requirements depending on the level. Piano Proficiency Requirements are available outside the piano office room 231.

Required courses in the following programs of study may have prerequisites. Reference the course description section for clarification.
BACHELOR OF ARTS (BA)

Student Learning Outcomes—students will:

• compose, perform, or teach music effectively;
• demonstrate technical and aesthetic understanding of music.

MUSIC MAJOR WITH LIBERAL ARTS OPTION (93 CREDITS)

This is a program designed for the study of music within a liberal arts curriculum.

Note: two years of a single high school foreign language or one year of a single college level foreign language is required.

Required Courses (43 credits)

MUSC 101 Music Theory I (3)
MUSC 102 Music Theory II (3)
MUSC 103 Music Theory III (3)
MUSC 104 Sight Singing and Aural Skills I (1)
MUSC 105 Sight Singing and Aural Skills II (1)
MUSC 106 Sight Singing and Aural Skills III (1)
MUSC 110 Convocation and Recital Attendance (0) (must pass 11 quarters)
MUSC 121 and 122 Piano Class I and II for Music Majors (2)
MUSC 201 Music Theory IV (3)
MUSC 202 Music Theory V (3)
MUSC 203 Music Theory VI (3)
MUSC 204 Sight Singing and Aural Skills IV (1)
MUSC 205 Sight Singing and Aural Skills V (1)
MUSC 250 Music History and Literature I (3)
MUSC 251 Music History and Literature II (3)
MUSC 252 Music History and Literature III (3)
MUSC 253 Music History and Literature IV (3)
MUSC 254 Music History and Literature V (3)
MUSC 255 Music History and Literature VI (3)
MUSC 266 Music in Diverse Cultures (3)
MUSC 333 Symphonic Choir (2)
MUSC 332 Orchestra (2)
MUSC 331 Band (2)
MUSC 388 Percussion Techniques (1)
MUSC 387 Stringed Instrument Techniques (1)
MUSC 386 Wind Instrument Techniques (1)
MUSC 385 Brass Instrument Techniques (1)
MUSC 384 Jazz Ensemble Methods and Materials (2)
MUSC 491 Senior Thesis/Capstone (4)

Applied Music Requirements (12 credits minimum)

MUSC 308, MUSC 309, MUSC 408 Instruction on Instrument or Voice (1 each)
MUSC 333 Band (2)
MUSC 332 Orchestra (2)
MUSC 331 Symphonic Choir (2)
MUSC 330 String Ensemble (2)
MUSC 334 Wind Ensemble (2)
MUSC 335 Brass Ensemble (2)
MUSC 336 Percussion Ensemble (2)

Ensembles Requirements (24 credits minimum)

MUSC 333 Band (2)
MUSC 332 Orchestra (2)
MUSC 331 Symphonic Choir (2)
MUSC 330 String Ensemble (2)
MUSC 334 Wind Ensemble (2)
MUSC 335 Brass Ensemble (2)
MUSC 336 Percussion Ensemble (2)

Electives at the 300 and 400 level (14 credit minimum)

Required program credits 43 credits
Required applied music credits 12 credits
Required music ensemble credits 24 credits
Elective credits 14 credits
Total credits for above major 93 credits

BACHELOR OF ARTS IN EDUCATION (BAE)

Note: see the Education Department for prerequisites, core requirements and additional SLOs.

Student Learning Outcomes—students will:

• demonstrate the ability to teach choral and instrumental music effectively in grades K through 12.

MUSIC: INSTRUMENTAL, CHORAL, GENERAL/ ELEMENTARY OR SECONDARY MAJOR (101 CREDITS)

Students can choose either the Elementary or the Secondary Core.

ELEMENTARY EDUCATION CORE (70 CREDITS)

Required Courses (65–69 credits)

MUSC 101 Music Theory I (3)
MUSC 102 Music Theory II (3)
MUSC 103 Music Theory III (3)
MUSC 104 Sight Singing and Aural Skills I (1)
MUSC 105 Sight Singing and Aural Skills II (1)
MUSC 106 Sight Singing and Aural Skills III (1)
MUSC 110 Convocation and Recital Attendance (0) (must pass 11 quarters)
MUSC 201 Music Theory IV (3)
MUSC 202 Music Theory V (3)
MUSC 203 Music Theory VI (3)
MUSC 204 Sight Singing and Aural Skills IV (1)
MUSC 205 Sight Singing and Aural Skills V (1)
MUSC 206 Sight Singing and Aural Skills VI (1)
MUSC 250 Music History and Literature I (3)
MUSC 251 Music History and Literature II (3)
MUSC 252 Music History and Literature III (3)
MUSC 253 Music History and Literature IV (3)
MUSC 254 Music History and Literature V (3)
MUSC 255 Music History and Literature VI (3)
MUSC 266 Music in Diverse Cultures (3)
MUSC 333 Symphonic Choir (2)
MUSC 332 Orchestra (2)
MUSC 331 Band (2)
MUSC 330 String Ensemble (2)
MUSC 334 Wind Ensemble (2)
MUSC 335 Brass Ensemble (2)
MUSC 336 Percussion Ensemble (2)
MUSC 388 Percussion Techniques (1)
MUSC 387 Stringed Instrument Techniques (1)
MUSC 386 Wind Instrument Techniques (1)
MUSC 385 Brass Instrument Techniques (1)
MUSC 384 Jazz Ensemble Methods and Materials (2)
MUSC 470 Senior Recital (1–5)
MUSC 491 Senior Thesis (4)

Select courses from the following (7 credits)

MUSC 382 Stringed Instrument Techniques (1, 1)
MUSC 383 Windwood Instrument Techniques (1, 1, 1)
MUSC 384 Brass Instrument Techniques (1)
MUSC 385 Percussion Instrument Techniques (1)

Applied Music Requirements (12 credits minimum)

MUSC 108, MUSC 208, MUSC 308, MUSC 408 Instruction on Instrument or Voice (1 each)

Music Ensemble Requirements (24 credits minimum)

MUSC 331 Band (2)
MUSC 332 Orchestra (2)
MUSC 333 Symphonic Choir (2)
MUSC 334 Wind Ensemble (2)
MUSC 335 Brass Ensemble (2)
MUSC 336 Percussion Ensemble (2)

Music Education Core (65–69 credits)

Required program credits 43 credits
Required applied music credits 12 credits
Required ensemble credits 24 credits

Minimum total credits for above major 101 credits

Note: normally, the elementary education core requirement is 70 credits; however, this major already carries one professional education course for Elementary Education: MUSC 441 Music Methods for the Elementary Music Specialist (3).

Note: students in this program are excused from major ensemble participation during the quarter of student teaching.

Note: the above option requires more than 12 quarters to complete at 15–16 credits per quarter.

www.ewu.edu
**BACHELOR OF MUSIC (BM)**

In programs leading to the Bachelor of Music, the department seeks to provide thoroughly professional training, in addition to the requirements set for the liberally educated student. Options under this degree include majors in performance and composition. This course of study presupposes that the student will have a strong background in musical performance.

**Student Learning Outcomes—students will:**

- perform on their primary instrument in a variety of mediums and musical periods -Instrumental Performance Option;
- compose music in a variety of mediums and musical periods-Music Composition Option;
- compose music effectively in all genres and musical periods-Music Composition Option;
- perform on voice in a variety of mediums and musical periods-Vocal Performance Option.

**MUSIC MAJOR WITH INSTRUMENTAL PERFORMANCE OPTION (101–105 CREDITS)**

<table>
<thead>
<tr>
<th>Required Courses (48–52 credits)</th>
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<tbody>
<tr>
<td>MUSC 101 Music Theory I (3)</td>
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<tr>
<td>MUSC 102 Music Theory II (3)</td>
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<tr>
<td>MUSC 103 Music Theory III (3)</td>
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<tr>
<td>MUSC 104 Sight Singing and Aural Skills I (1)</td>
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<tr>
<td>MUSC 105 Sight Singing and Aural Skills II (1)</td>
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<tr>
<td>MUSC 106 Sight Singing and Aural Skills III (1)</td>
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<tr>
<td>MUSC 110 Convocation and Recital Attendance (0) (must pass 11 quarters)</td>
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<tr>
<td>MUSC 121 and 122 Piano Class I and II for Music Majors (2)</td>
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<tr>
<th>Piano Proficiency (0)</th>
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<tbody>
<tr>
<td>MUSC 201 Music Theory IV (3)</td>
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<tr>
<td>MUSC 202 Music Theory V (3)</td>
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<tr>
<td>MUSC 203 Music Theory VI (3)</td>
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<tr>
<td>MUSC 204 Sight Singing and Aural Skills IV (1)</td>
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<tr>
<td>MUSC 205 Sight Singing and Aural Skills V (1)</td>
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<tr>
<td>MUSC 244 Music Technology (2)</td>
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<tr>
<td>MUSC 250 Music History and Literature I (3)</td>
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<td>MUSC 251 Music History and Literature II (3)</td>
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<tr>
<td>MUSC 252 Music History and Literature III (3)</td>
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<tr>
<td>MUSC 310 Basic Conducting Skills (2)</td>
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<tr>
<td>MUSC 312 Advanced Conducting Skills (2)</td>
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<tr>
<td>MUSC 397 Music in Diverse Cultures (3)</td>
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<tr>
<td>Junior Recital (0)</td>
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<tr>
<td>MUSC 470 Senior Recital (1–5)</td>
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<tr>
<td>MUSC 491 Senior Thesis (4)</td>
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<table>
<thead>
<tr>
<th>Select one of the following courses applicable to the student’s major requirement:</th>
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<tbody>
<tr>
<td>MUSC 462 String Pedagogy (3)</td>
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<tr>
<td>MUSC 463 Woodwind Pedagogy (3)</td>
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<tr>
<td>MUSC 464 Brass Pedagogy (3)</td>
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<tr>
<th>Applied Music Requirements (24 credits minimum)</th>
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<tbody>
<tr>
<td>MUSC 140, MUSC 240, MUSC 340, MUSC 440 Applied Instruction on Instrument or Voice (2 each)</td>
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<thead>
<tr>
<th>Major Music Ensemble Requirements (24 credits minimum)</th>
</tr>
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<tbody>
<tr>
<td>MUSC 331 Band (2)</td>
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<tr>
<td>MUSC 332 Orchestra (2)</td>
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<tr>
<td>MUSC 333 Symphonic Choir (2)</td>
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<tr>
<th>Minor Music Ensemble Requirements (2 credits minimum)</th>
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<tbody>
<tr>
<td>MUSC 335 Music Ensemble Instrumental (1)</td>
</tr>
<tr>
<td>Admission to Performance Major (0)</td>
</tr>
</tbody>
</table>

**Required program credits** 48–52 credits  
**Required pedagogy credits** 3 credits  
**Required applied music credits** 24 credits  
**Major ensemble credits** 24 credits  
**Minor ensemble credits** 2 credits  
**Minimum total credits for above major** 101 credits

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**MUSIC MAJOR WITH MUSIC COMPOSITION OPTION (93–101 CREDITS)**

A program with a liberal arts orientation designed to prepare students for teaching at the college level, the composition and presentation of concert music, careers in film scoring and theater/dance work. This course of study presupposes that the student will have a strong background in musical performance. Entry into this degree program is by departmental interview and with the consent of the head of composition studies.

**Required Courses (51–59 credits) **

- MUSC 101 Music Theory I (3)  
- MUSC 102 Music Theory II (3)  
- MUSC 103 Music Theory III (3)  
- MUSC 104 Sight Singing and Aural Skills I (1)  
- MUSC 105 Sight Singing and Aural Skills II (1)  
- MUSC 106 Sight Singing and Aural Skills III (1)  
- MUSC 110 Convocation and Recital Attendance (0) (must pass 11 quarters)  
- MUSC 121 and 122 Piano Class I and II for Music Majors (2)  
- Piano Proficiency (0)  
- MUSC 201 Music Theory IV (3)  
- MUSC 202 Music Theory V (3)  
- MUSC 203 Music Theory VI (3)  
- MUSC 204 Sight Singing and Aural Skills IV (1)  
- MUSC 205 Sight Singing and Aural Skills V (1)  
- MUSC 209 Compositional Techniques (2)  
- MUSC 250 Music History and Literature I (3)  
- MUSC 251 Music History and Literature II (3)  
- MUSC 252 Music History and Literature III (3)  
- MUSC 305 Counterpoint (2)  
- MUSC 310 Basic Conducting Skills (2)  
- MUSC 357 Music in Diverse Cultures (3)  
- MUSC 401 Advanced Analysis (2)  
- MUSC 409 Composition (1–5)  
- MUSC 470 Senior Recital (1–5)  
- MUSC 491 Senior Thesis (4)  
- Applied Music Requirements (12 credits minimum)  
- MUSC 108, MUSC 208, MUSC 308, MUSC 408 Instruction on Instrument or Voice (1 each)  
- Major Music Ensemble Requirements (24 credits minimum)  
- MUSC 331 Band (2)  
- MUSC 332 Orchestra (2)  
- MUSC 333 Symphonic Choir (2)  
- Music electives at the 300 or 400 level (6 credits)  
- Minimum total credits for above major 93 credits

**MUSIC MAJOR WITH PIANO PERFORMANCE OPTION (107–111 CREDITS)**

**Required Courses (59–63 credits) **

- MUSC 101 Music Theory I (3)  
- MUSC 102 Music Theory II (3)  
- MUSC 103 Music Theory III (3)  
- MUSC 104 Sight Singing and Aural Skills I (1)  
- MUSC 105 Sight Singing and Aural Skills II (1)  
- MUSC 106 Sight Singing and Aural Skills III (1)  
- MUSC 110 Convocation and Recital Attendance (0) (Must pass 11 quarters)  
- MUSC 201 Music Theory IV (3)  
- MUSC 202 Music Theory V (3)  
- MUSC 203 Music Theory VI (3)  
- MUSC 204 Sight Singing and Aural Skills IV (1)  
- MUSC 205 Sight Singing and Aural Skills V (1)  
- MUSC 244 Music Technology (2)  
- MUSC 250 Music History and Literature I (3)  
- MUSC 251 Music History and Literature II (3)  
- MUSC 252 Music History and Literature III (3)  
- MUSC 341 Advanced Functional Keyboard (2)  
- MUSC 357 Music in Diverse Cultures (3)  
- MUSC 458 Piano Pedagogy I (2)  
- MUSC 459 Piano Pedagogy II (2)  
- MUSC 460 Piano Pedagogy III (2)  
- MUSC 467 Accompanying (3)  
- Junior Recital (0)  
- MUSC 470 Senior Recital (1–5)  
- MUSC 480 Keyboard Literature I (2)  
- MUSC 481 Keyboard Literature II (2)  
- MUSC 482 Keyboard Literature III (2)  
- MUSC 491 Senior Thesis (4)  
- Admission to Performance Major (0)  
- Required program credits 51–59 credits  
- Required applied music credits 12 credits  
- Required music ensemble credits 24 credits  
- Elective credits 6 credits  
- Minimum total credits for above major 93 credits

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CERTIFICATE

The Jazz and Commercial Music Certificate is designed to give the music major/minor access to jazz classes and ensembles and increase their skills for the purpose of performing and teaching jazz. The certificate includes a recital experience to enhance students’ abilities to apply their knowledge in a performance setting. Students will also perform for a jury (pass/fail) on materials provided through the curriculum.

Student Learning Outcomes—students will:

• analyze and create arrangements and compositions in the jazz idiom;
• analyze, understand and perform literature through the study of jazz theory and improvisation;
• analyze and perform literature in a variety of ensemble settings with varying historical perspectives;
• apply knowledge and skills gained for a jury and during a recital.

JAZZ AND COMMERCIAL MUSIC CERTIFICATE (29 CREDITS)

Required Courses (15 credits)
- MUSC 103 Music Theory III (3)
- MUSC 108 Instruction on Instrument or Voice (Jazz Piano) (1)
- Jazz Piano Fundamental Test (Pass/Fail) (1)
- MUSC 280 Basic Jazz Arranging (1)
- MUSC 281 Advanced Jazz Arranging (1)
- MUSC 286 Introduction to Jazz Theory and Aural Skills (1)
- MUSC 287 Basic Jazz Theory/Improvisation (1)
- MUSC 288 Intermediate Jazz Theory/Improvisation (1)
- MUSC 289 Advanced Jazz Theory/Improvisation (1)
- MUSC 356 History of Jazz (3)
- MUSC 447 Jazz Ensemble Methods and Materials (2)

Jury performance
Recital

Note: *jury and recital participation must be approved by the director of the Jazz Program.

Required Ensembles (6 credits minimum)
- MUSC 335 Music Ensemble: Instrumental (Jazz) (1)
- MUSC 336 Music Ensemble: Vocal (Jazz) (1)

Required Ensembles (6 credits minimum)
- MUSC 335 Music Ensemble: Instrumental (Small Group/Jazz Forum) (1)

Electives in Area of Interest—choose from the following (2 credit minimum)
- MUSC 108 Instruction on Instrument or Voice (Jazz Piano) (1)
- MUSC 108 Instruction on Instrument or Voice (Applied Bass) (1)
- MUSC 106 Sight Singing and Aural Skills (I) (1)

Required program credits 27 credits
Elective credits 2 credits
Minimum credits for above certificate 29 credits

MINOR

MUSIC MINOR (16 CREDITS)

Required Courses (13 credits)
- MUSC 101 Music Theory I (3)
- MUSC 102 Music Theory II (3)
- MUSC 104 Sight Singing and Aural Skills I (1)
- MUSC 105 Sight Singing and Aural Skills II (1)
- MUSC 212 Music in The Humanities (5)*

Electives (3 credits)
Select in consultation with department advisor.

Required program credits 13 credits
Elective credits 3 credits
Total credits for above minor 16 credits

Note: *MUSC 212 also counts as a GECR.
GRADUATE PROGRAM

MASTER OF MUSIC

Jane Ellsworth, Program Director  
119 Music Bldg.  
509.359.7076

Student Learning Outcomes—students will:

• demonstrate graduate level musicianship in the understanding, knowledge and performance of music;
• demonstrate critical and creative thinking, particularly in the chosen area of emphasis.

Areas of Emphasis

- Composition
- Jazz Studies
- Liberal Arts (customized)
- Music Education
- Performance (Instrumental/Vocal/Conducting)

Students intending to pursue the Master of Music degree program should hold an appropriate baccalaureate degree from an accredited institution. Applicants should submit a writing sample of no less than three pages. Ideally, this will be an undergraduate term paper or other essay that contains references to secondary sources that are cited in an accepted scholarly style. If no writing sample of this type is available, another type of sample is acceptable; examples might include program notes, a statement of teaching philosophy for music education applicants, a statement of creative process for composition applicants or any other demonstration of the applicant’s writing ability. Students will also take a personal audition or submit an unedited recording of their performance while education applicants should submit a CV with details of at least two years of teaching experience. Students who are interested in teaching careers, performance careers and business careers in music can design a program to suit their needs. The degree is also designed to prepare the student for further graduate study.

Admission Requirements/Preparation

Progress toward the degree will follow the information found in the front of this catalog EWU Graduate Student Summary Guide to Policies and Procedures.

Final Comprehensive Examination

All master’s degrees in music require an oral comprehensive exam covering salient matters in the candidate’s coursework and the candidate’s internship, thesis, performance or other applicable research or performance project(s). The exam will be administered by a committee chaired by the candidate’s advisor as assigned by the Department of Music and including another music faculty representative and an outside faculty representative assigned by the Graduate Office. MUSC 600 Thesis, MUSC 601 Graduate Recital and MUSC 602 Final Master’s Project guidelines are in the Department of Music graduate program handbook.

REQUIRED PROGRAM CORE FOR ALL EMPHASES (22 CREDITS)

Music Research from the following (3 credits)*
MUSC 520 Research Techniques and Bibliography in Music (3)
MUSC 521 Research Design in Music Education (3)

Music History From the Following (6 credits)**
MUSC 558 Topics in Music History (3)
MUSC 551 Music of the Medieval Era (3)
MUSC 552 Music of the Renaissance Era (3)
MUSC 553 Music of the Baroque Period (3)
MUSC 554 Music of the Classical Period (3)
MUSC 555 Music of the Romantic Period (3)
MUSC 556 Music of the 20th Century (3)
MUSC 557 History of Jazz: Styles and Analysis (3)

Music Theory/Composition (5 credits)
MUSC 560 Historical Analysis of Musical Structure (3)
MUSC 561 Counterpoint (2)

Three Quarters of Graduate Ensemble Participation (3 credits minimum)***
MUSC 535 Music Ensemble: Instrumental (1–2)
or MUSC 536 Music Ensemble: Vocal (1–2)

Music Thesis/Recital (5 credits)
MUSC 600 Thesis
or MUSC 601 Graduate Recital (5)
or MUSC 602 Final Master’s Project (5)****

Notes:
*students in Music Education Emphasis should take MUSC 521 Research Design in Music Education.
**students in the Composition Emphasis must take MUSC 556 Music of the 20th Century as one of their Music History courses.
***an off-campus option requires advanced signed approval by the Director of Music Education and successful completion of written report.
****Music education emphasis students are required to take MUSC 600 Thesis. Prior to commencement research, a thesis proposal must receive approval from the thesis committee and, if human subjects are involved, by the IRB.

COMPOSITION EMPHASIS (54 CREDITS)

Three quarters of applied instruction: MUSC 529 Applied Lesson (1)
or MUSC 530 Instruction on Instrument or Voice (2) (3 credits minimum)
MUSC 510 Advanced Conducting (3)
MUSC 565 Advanced Orchestration (3)
MUSC 568 Advanced Compositional Techniques (2 credits per quarter) (12)

Electives (11 credits)
Approved in consultation with area advisor and graduate program coordinator

Required core credits 22 credits
Required composition credits 21 credits
Elective credits 11 credits
Total credits for above master’s degree 54 credits

JAZZ STUDIES EMPHASIS (54 CREDITS)

Six quarters of applied instruction: MUSC 529 Applied Lesson (1)
or MUSC 530 Instruction on Instrument or Voice (2) (6 credits minimum)
MUSC 571 Jazz Ensemble Direction/Conducting (3)
MUSC 574 Graduate Jazz Arranging (3)
MUSC 695 Graduate Jazz Internship (1–5) (5 credits minimum)

A. Performance track (15 credits)
An additional 3 quarters of Large Jazz Ensemble (3 credits minimum)
Six quarters of Jazz combo (6 credits minimum)
MUSC 573 Graduate Improvisation-Transcription (3)
Any Music electives (3 credits minimum)

B. Pedagogy track (15 credits)
MUSC 532 Pedagogy of Collegiate Teaching (3)
MUSC 558 History of Jazz–Pedagogy (3)
MUSC 572 Graduate Improvisation–Pedagogy (3)*
Plus choose a minimum of three courses from the following:
MUSC 575 String Pedagogy–Bass (2)
MUSC 576 Jazz Piano Pedagogy (2)
MUSC 577 Drum Set Pedagogy (2)
MUSC 578 Saxophone Pedagogy (2)
MUSC 579 Brass Pedagogy (2)

Required core credits 22 credits
Required jazz credits 17 credits
Performance or pedagogy track credits 15 credits
Total credits for above master’s degree 54 credits

Notes
*students in Music Education Emphasis must take MUSC 557 History of Jazz: Styles and Analysis as one of their Music History courses.
**students in the Jazz Studies Emphasis must take MUSC 577 History of Jazz: Styles and Analysis as one of their Music History courses.
***an off-campus option requires advanced signed approval by the Director of Music Education and successful completion of written report.
****Music education emphasis students are required to take MUSC 600 Thesis. Prior to commencement research, a thesis proposal must receive approval from the thesis committee and, if human subjects are involved, by the IRB.

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LIBERAL ARTS EMPHASIS (50 CREDITS)

Students may focus on areas such as Music History, Music Theory or a customized program.

Three quarters of applied instruction: MUSC 529 Applied Lesson (1) or MUSC 530 Instruction on Instrument or Voice (2) (3 credits minimum)

Electives in Music (10 credits)

Electives in supportive areas (music or non-music) (15 credits)

Approved in consultations among the student, the student’s area advisor(s) and the graduate program advisor.

Required core credits 22 credits
Required in music credits 3 credits
Electives in music credits 10 credits
 Electives in supportive area (Music or Non-Music) 15 credits
Total credits for above master’s degree 50 credits

MUSIC EDUCATION EMPHASIS (50 CREDITS)

MUSC 510 Advanced Conducting (3)
MUSC 531 Alternative Approaches to Music Education (3)
MUSC 532 Pedagogy of Collegiate Teaching (3)
MUSC 546 Sociological Foundations of Music (3)
MUSC 547 The Psychology of Music Learning and Teaching (3)
MUSC 550 Philosophical Foundations in Music Education (5)

Electives (8 credits)
Any graduate music or music education electives may be selected with approval for the Director of Music Education. Music Education electives include the following:

Three quarters of applied instruction: MUSC 529 Applied Lesson (1) or MUSC 530 Instruction on Instrument or Voice (2) (3 credits minimum)
MUSC 620 The Orff Schulwerk Approach to Music Education (6)
MUSC 621 Early Childhood Music Education (3)
MUSC 696 College Teaching Internship (5–15)

Required core credits 22 credits
Required music education credits 20 credits
Elective credits 8 credits
Total credits for above master’s degree 50 credits

PERFORMANCE EMPHASIS (INSTRUMENTAL/ VOCAL/CONDUCTING) (54 CREDITS)

MUSC 510 Advanced Conducting (3)
MUSC 530 Instruction on Instrument or Voice (2)
Must be taken six times. (12 credits)
Three quarters of graduate ensemble participation*: MUSC 535 (1–2) or MUSC 536 (1–2) in addition to core requirements (3 credits minimum)

Note: *conducting Performance Majors will intern with the ensemble director.

MUSC 564 A—H Pedagogy Vocal/Instrumental (3 credit minimum)
MUSC 564A–C (2, 2, 2) stacked with MUSC 458, 459, 460
MUSC 564D Vocal Pedagogy (3) stacked with MUSC 461
MUSC 564E String Pedagogy (3) stacked with MUSC 462
MUSC 564F Woodwind Pedagogy (3) stacked with MUSC 463
MUSC 564G Brass Pedagogy (3) stacked with MUSC 464
MUSC 564H Percussion Pedagogy (3) stacked with MUSC 468

Language Diction Proficiency (voice majors only) (0)

Electives (11 credits)
Electives approved in consultations among the student, the student’s area advisor(s) and the graduate program advisor.
MUSC 537 Contemporary Music Ensemble (3) (strongly recommended)

Required core credits 22 credits
Required performance credits minimum 21 credits
Elective credits 11 credits
Total credits for above master’s degree 54 credits
Music Courses

Terms offered: fall, winter, spring, summer (FWSU). If no terms are indicated, check with the department or EagleNET.

All MUSC courses will have a core fee.

MUSC 101 Music Theory I (3) F
Prerequisites: concurrent enrollment in MUSC 104; music minors and non-music majors/minors require permission of the department chair.

This course involves study of basic theory devoted to notation, scales, intervals, keys and elementary harmony.

MUSC 102 Music Theory II (3) W
Prerequisites: MUSC 101; concurrent enrollment in MUSC 105 is required; music minors and non-music majors/minors require permission of the department chair.

This course is the study of harmonic practice and part writing. It involves treatment of major and minor seventh chords and melodic construction.

MUSC 103 Music Theory III (3) S
Prerequisites: MUSC 102; concurrent enrollment in MUSC 106 is required; music minors and non-music majors/minors require permission of the department chair.

This course emphasizes analysis, modulation, non-dominant and secondary dominant seventh chords as used in American popular song and American jazz forms.

MUSC 104 Sight Singing and Aural Skills I (3) F
Prerequisites: concurrent enrollment in MUSC 101; music minors and non-music majors/minors require permission of the department chair.

This course introduces C clefs, compound meter and advanced dictation includes error detection as well as melodic dictation.

MUSC 105 Sight Singing and Aural Skills II (1) W
Prerequisites: MUSC 104; concurrent enrollment in MUSC 102; music minors and non-music majors/minors require permission of the department chair.

This course introduces C clefs, compound meter and advanced dictation includes error detection as well as melodic dictation.

MUSC 106 Sight Singing and Aural Skills III (1) S
Prerequisites: MUSC 105; concurrent enrollment in MUSC 103; music minors and non-music majors/minors require permission of the department chair.

This course consists of modulation exercises and introduction of sequentials. Error detection and harmonic dictation will be emphasized.

MUSC 108 Instruction on Instrument or Voice (1) FWS
Note: May be repeated; this course is intended for all freshmen except those majoring in Music Performance.
Prerequisite: permission of instructor.

This course is designed to provide students with basic to advanced vocal or instrumental skills and a knowledge of the assigned repertoire from a musical, linguistic and performance viewpoint. Students without previous credit in applied music must audition to be accepted into applied study. Every student who is registered for applied music must be registered for a major ensemble. This course is intended for all freshmen except those majoring in Music Performance.

MUSC 110 Convocation and Recital Attendance (0) FWS
Note: This course is comprised of attending all weekly convocations, as well as department recitals and selected non-EWU performances for a total number of 15 quarter hours. Course must be passed 11 quarter hours for music majors. The required number for transfer students will be determined on an individual basis.

MUSC 117 Piano Class I–Beginners (1) FWS
Note: These classes will consist of basic theory, simple harmonization, improvisation, sight-reading, chord recognition and fundamental jazz/blues.

MUSC 118 Piano Class II–Beginners (1) FWS
Prerequisites: MUSC 117.

Note: This course is designed to provide students with basic to advanced vocal or instrumental skills and a knowledge of the assigned repertoire from a musical, linguistic and performance viewpoint. Students without previous credit in applied music must audition to be accepted into applied study. Every student who is registered for applied music must be registered for a major ensemble.

MUSC 120 Piano Class I (1) FWS
Note: These classes are for music majors only. These classes will consist of: harmonization, improvisation, sight-reading, repertoire, accompanying skills, technique, scales and chords.

MUSC 121 Piano Class II (1) FWS
Prerequisites: MUSC 120.

Note: This course is designed to provide students with basic to advanced vocal or instrumental skills and a knowledge of the assigned repertoire from a musical, linguistic and performance viewpoint. Students without previous credit in applied music must audition to be accepted into applied study. Every student who is registered for applied music must be registered for a major ensemble.

MUSC 122 Piano Class III (1) FWS
Prerequisites: MUSC 121.

Note: This course is designed to provide students with basic to advanced vocal or instrumental skills and a knowledge of the assigned repertoire from a musical, linguistic and performance viewpoint. Students without previous credit in applied music must audition to be accepted into applied study. Every student who is registered for applied music must be registered for a major ensemble.

MUSC 126 Honors Keyboard (1) F
Prerequisites: concurrent enrollment in MUSC 118.

Note: These classes are for music majors only. See description under MUSC 117.

MUSC 130 Voice Class I (1) FWS
Note: May be repeated until the student reaches the proficiency level necessary for advanced instruction.

This course provides instruction in vocal performance. All students without previous credit in applied vocal music at the university level should register for this course.

MUSC 131 Voice Class II (1) FWS
Prerequisites: concurrent enrollment in MUSC 118.

Note: May be repeated until the student reaches the proficiency level necessary for advanced instruction.

This course provides instruction in vocal performance. All students without previous credit in applied vocal music at the university level should register for this course.

MUSC 140 Applied Instruction on Instrument or Voice (2) FWS
Prerequisites: concurrent enrollment in MUSC 119.

Note: May be repeated; concurrent enrollment in a major ensemble is required.

This course is the practical study of the techniques and devices of composition in the various primary forms.

MUSC 201 Music Theory IV (3) F
Prerequisites: MUSC 103; concurrent enrollment in MUSC 204; music minors and non-music majors/minors require permission of the department chair.

This course emphasizes contrapuntal techniques, variation techniques and study of chromatic and color harmonies.

MUSC 202 Music Theory V (3) W
Prerequisites: MUSC 201; concurrent enrollment in MUSC 204.

This is the study of advanced harmonic practice including altered dominants and chromatic mediants. It will also include study of large forms emphasizing various forms of rondo.

MUSC 203 Music Theory VI (3) S
Prerequisites: MUSC 202.

This course acquaints students with late 19th and 20th century compositional and formal techniques and devices.

MUSC 204 Sight Singing and Aural Skills IV (1) FWS
Prerequisites: MUSC 106; concurrent enrollment in MUSC 201.

This course emphasizes rhythmic and melodic complexity including chromaticism, modulation and dissonant sections of comparable material.

MUSC 205 Sight Singing and Aural Skills V (1) W
Prerequisites: MUSC 204; concurrent enrollment in MUSC 202; Piano Proficiency Exam clearance.

This course emphasizes unusual modulation, scales and time signatures.

MUSC 208 Instruction on Instrument or Voice (1) FWS
Note: May be repeated; this course is intended for all sophomores except those majoring in Music Performance.

This course is designed to provide students with basic to advanced vocal or instrumental skills and a knowledge of the assigned repertoire from a musical, linguistic and performance viewpoint. Students without previous credit in applied music must audition to be accepted into applied study. Every student who is registered for applied music must be registered for a major ensemble.

MUSC 212 Music in the Humanities (5) FWS
Prerequisites: concurrent enrollment in MUSC 204; Piano Proficiency Exam clearance.

This course is a survey with primary focus on Western classical music in terms of humanistic development with emphasis on musical style and structure and relations with the other arts.

MUSC 230 Guitar and Music Fundamentals (3) S
Prerequisites: concurrent enrollment in MUSC 204.

Note: Fundamentals of music, including notation, scales, key signatures, chords, intervals, experience with use of guitar.

MUSC 240 Applied Instruction on Instrument or Voice (2) FWS
Prerequisites: concurrent enrollment in MUSC 204.

Note: May be repeated; only declared music major and upperclassmen may register for this course.

This course is designed to provide students with basic to advanced vocal or instrumental skills and a knowledge of the assigned repertoire from a musical, linguistic and performance viewpoint. Students without previous credit in applied music must audition to be accepted into applied study. Every student who is registered for applied music must be registered for a major ensemble. This course is designed to provide students with basic to advanced vocal or instrumental skills and a knowledge of the assigned repertoire from a musical, linguistic and performance viewpoint. Students without previous credit in applied music must audition to be accepted into applied study. Every student who is registered for applied music must be registered for a major ensemble.

MUSC 250 Music History and Literature I (3) F
Prerequisites: MUSC 103.

This course is a practical study of music technology for performers and educators. Topics include the study of music notation, arranging software, recording programs, MIDI applications and sound reinforcement.

MUSC 251 Music History and Literature II (3) W
Prerequisites: MUSC 103, 250.

This course is a practical study of music technology for performers and educators. Topics include the study of music notation, arranging software, recording programs, MIDI applications and sound reinforcement.

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MUSC 280 Basic Jazz Arranging (1)  
Prerequisites: MUSC 103, 287.  
This course provides fundamental arranging techniques including basic instrumental range through pedagogical rhythm section skills. Topics include developing introductions, endings, form, basic ranges of instruments, creating bass lines, piano voicings, guitar voicings and drum set nomenclature.

MUSC 281 Advanced Jazz Arranging (1)  
Prerequisite: MUSC 280.  
This course covers arranging techniques for compositions and arrangements for the jazz idiom. Skills include: voicings for sections; harmonic development; compositional development; and music notation programs. Students will develop a 8–10 piece composition/arrangement as a final project.

MUSC 286 Introduction to Jazz Theory and Aural Skills (1)  
Prerequisite: MUSC 103.  
Students are introduced to musical concepts relating to the jazz idiom such as scales, harmonies and styles. They acquire basic jazz piano and aural skills.

MUSC 287 Basic Jazz Theory/Improvisation (1)  
Prerequisite: MUSC 103.  
This course introduces various aspects of basic improvisational tools and skills, combining theory with playing and piano skills.

MUSC 288 Intermediate Jazz Theory/Improvisation (1)  
Prerequisite: MUSC 287.  
This course provides a firm grounding in the fundamental concepts of jazz theory, including mode and chord construction. It includes basic forms such as AABA, Rhythm Changes and Blues.

MUSC 289 Advanced Jazz Theory/Improvisation (1)  
Prerequisite: MUSC 288.  
This course helps students gain mastery over the melodic minor concept of improvisation. Students will learn the modes of melodic minor and how the modes relate to modal and functional harmony. Students will also learn to manipulate various patterns based on the melodic minor modes.

MUSC 305 Counterpoint (2)  
Prerequisites: MUSC 101, MUSC 102, MUSC 104.  
Study and application of contrapuntal techniques in two and three voices.

MUSC 308 Instruction on Instrument or Voice (1)  
FWS  
Note: may be repeated; students without previous credit in applied music must audition to be accepted into applied study; every student who is registered for applied music must be registered for a major ensemble; this course is intended for all juniors except those majoring in Music Performance.

This course provides students with basic to advanced vocal or instrumental skills and a knowledge of the assigned repertoire from a musical, linguistic and performance viewpoint.

MUSC 310 Basic Conducting Skills (2)  
Prerequisite: MUSC 103.  
This course is the study of fundamental conducting techniques including score study and rehearsal techniques.

MUSC 312 Advanced Conducting Skills (2)  
Prerequisite: MUSC 310.  
Students in this course learn to apply conducting and rehearsal techniques to choral and performance groups.

MUSC 320 Diction for Singers I (1)  
F  
Introduction to diction for singers, choral conductors and collaborative pianists. This class introduces International Phonetic Alphabet (IPA) and its practical application to English, Ecclesiastical Latin, Italian, German and French through both in-class practice and dictionary reference. This course is designed to provide introductory information and develop knowledge of basic IPA symbols, their pronunciation and the implementation of this learning into vocal/choral repertoire.

MUSC 321 Diction for Singers II (1)  
W  
Prerequisite: MUSC 320 or permission of instructor.  
Continuation of diction for singers, choral conductors and collaborative pianists. This class continues work with International Phonetic Alphabet (IPA) and its practical application to Italian and German through in-class pronunciation practice and extensive IPA transcription of Italian and German vocal and choral music texts.

MUSC 322 Diction for Singers III (1)  
S  
Prerequisite: MUSC 320 and MUSC 321 or permission of instructor.  
Continuation of diction for singers, choral conductors and collaborative pianists. This class continues work with International Phonetic Alphabet (IPA) and its practical application to French and English (British and American) through in-class pronunciation practice and extensive IPA transcription of French and English vocal and choral music texts.

MUSC 331 Band (2)  
FWS  
Note: may be repeated.

MUSC 332 Orchestra (2)  
FWS  
Note: may be repeated.

MUSC 333 Symphonic Choir (2)  
FWS  
Note: may be repeated.

MUSC 334 Music Theatre (2)  
FWS  
Note: may be repeated.

MUSC 335 Music Ensemble: Instrumental (1)  
FWS  
Note: may be repeated.

MUSC 336 Music Ensemble: Vocal (1)  
FWS  
Note: may be repeated.

MUSC 337 Contemporary Music Ensemble (3)  
FWS  
Note: may be repeated.

This ensemble provides students the opportunity to explore music of the 20th and 21st Centuries. Music will be chosen from the standard repertoire of the 20th century as well as music of the avant-garde and recent music. Faculty occasionally join students in ensembles.

MUSC 338 Orchestral Repertoire for Strings (1)  
FWS  
Note: may be repeated.

Prerequisite: MUSC 203.

An intensive study of the standard orchestra repertoire. Students will use score analysis and use of recordings to aid in their preparation.

MUSC 340 Applied Instruction on Instrument or Voice (2)  
FWS  
Note: may be repeated; concurrent enrollment in a major ensemble is required; only declared junior music performance majors should register for this class; students registered for courses with multiple sections (piano, instrument and voice) should contact the instructor prior to registration for correct assignment.

This course provides students with basic to advanced vocal or instrumental skills and a knowledge of the assigned repertoire from a music, linguistic and performance viewpoint.

MUSC 341 Advanced Functional Keyboard (2)  
Prerequisite: junior or senior standing.  
This course is an advanced study of the techniques of harmonization, score reading, sight reading and improvisation.

MUSC 356 History of Jazz (3)  
This course investigates the cultural, historical and musical elements of jazz from its development into the 21st century.

MUSC 357 Music in Diverse Cultures (3)  
S  
Prerequisite: MUSC 102.  
This course examines musics across the globe, including non-Western music and Jazz.

MUSC 382 Stringed Instrument Techniques (1)  
FWS  
Note: may be repeated twice for a total of 2 credits; music minors and non-music majors/minors require permission of the department chair.

The students will receive elementary and pedagogical instruction for stringed instruments. Instruction will include materials and techniques for music education majors.

MUSC 383 Woodwind Instrument Techniques (1)  
FWS  
Note: may be repeated twice for a total of 3 credits; music minors and non-music majors/minors require permission of the department chair.

The students will receive elementary and pedagogical instruction for woodwind instruments. Instruction will include materials and techniques for music education majors.

MUSC 384 Brass Instrument Techniques (1)  
FWS  
The students will receive elementary and pedagogical instruction for brass instruments. Instruction will include materials and techniques for music education majors. Music minors and non-music majors/minors require permission of the department chair.

MUSC 385 Percussion Instrument Techniques (1)  
FWS  
The students will receive elementary and pedagogical instruction for percussion instruments. Instruction will include materials and techniques for music education majors. Music minors and non-music majors/minors require permission of the department chair.

MUSC 386 Sound Spaces (3)  
W  
Cross-listed: CSCD 386.  
Note: this course may be repeated.  
Prerequisite: DSN 385.

CSCD/MUSC 386 is a project-oriented course for designing, building, composing and performing with new instruments. Students will be encouraged to collaborate in the building process and share their knowledge and experiences. The course is interdisciplinary in nature. Ideally the class would consist of students with backgrounds in music, programming and engineering.

MUSC 387 The Piano Beyond the Keyboard: A Technician's Guide for the Pianist (3)  
This practical and interactive course, designed for pianists and piano teachers, probes the vital relationship between pianist and technician while exploring pianos from a technical perspective. Students take many field trips inside pianos to see how their human energy is transformed into musical expression.

MUSC 399 Special Studies (1–5)  
FWS  
Prerequisite: permission of the instructor, department chair and college dean.  
Subjects studied vary according to faculty and student interest.

MUSC 401 Advanced Analysis (2)  
Note: may be repeated for credit.  
Prerequisite: MUSC 203.  
It is an exploration of analytical techniques for many styles of music.

MUSC 404 Band Arranging (3)  
Prerequisite: MUSC 204.  
Instruments of the band with practical application to the art of band scoring. Original work and transcriptions.

MUSC 405 History of Jazz Beyond the 20th Century (2)  
Prerequisite: MUSC 356.  
This course surveys the cultural, historical and musical elements of jazz from the 20th century to the present day.
MUSC 405 Orchestration (3)
Prerequisites: MUSC 204.
This course studies the art of symphonic scoring. Original work and transcriptions.

MUSC 408 Instruction on Instrument or Voice (1) FWS
Note: may be repeated.
This course provides students with basic to advanced vocal or instrumental skills and a knowledge of the assigned repertoire from a musical, linguistic and performance viewpoint. Students without previous credit in applied music must audition to be accepted into an applied study. Every student who is registered for applied music must be registered for a major ensemble. This course is intended for all seniors except those majoring in Music Performance.

MUSC 409 Composition (1–5) FWS
Note: may be repeated.
Prerequisite: MUSC 209.
Students learn to organize musical ideas into logical forms and apply the skills learned to musical works using a broad variety of media.

MUSC 440 Applied Instruction on Instrument or Voice (2) FWS
Notes: may be repeated; concurrent enrollment in a major ensemble is required; only declared second-year junior or senior music major should register for this course; students registered for courses with multiple sections (piano, instrumental, and voice) should contact the instructor prior to registration for correct assignments.
This course provides students with basic to advanced vocal or instrumental skills and a knowledge of the assigned repertoire from a music, linguistic and performance viewpoint.

MUSC 441 Music Methods for the Elementary Music Specialist (3) F
Prerequisites: junior standing, PSYC 304.
Methods and materials for teaching a complete music program in the first six grades.

MUSC 445 Choral Methods and Materials in the Secondary School (2) S
Prerequisites: MUSC 100, MUSC 310.
The course helps students develop a sequential choral program in the secondary schools.

MUSC 446 Instrumental Methods and Materials (2) S
Prerequisite: MUSC 310.
This course is designed to impart the skills and knowledge necessary for the direct instructional experience for bands and orchestra in the secondary schools.

MUSC 447 Jazz Ensemble Methods and Materials (2) W
Prerequisite: MUSC 205.
This course helps music education majors develop skills in the jazz idiom. It includes techniques and materials for basic jazz piano, improvisation and ensemble direction.

MUSC 450 Integrating Music into Elementary Classroom Courses (3)
Prerequisites: EDUC 303.
Development of critical understanding and skills in supporting elementary classroom teaching through curricular integration of music.

MUSC 451 Music of the Medieval Era (3)
Prerequisites: MUSC 205 and MUSC 252.
This course offers intensive study of the music literature of the Medieval Era. This study may be either a survey or focus on a selected topic(s) of the era.

MUSC 452 Music of the Renaissance Era (3)
Prerequisites: MUSC 205 and MUSC 252.
This course offers intensive study of the music literature of the Renaissance Era. This study may be either a survey or focus on a selected topic(s) of the era.

MUSC 453 Music of the Baroque Era (3)
Prerequisite: MUSC 205 and MUSC 252.
This course offers intensive study of the music literature of the Baroque Era. This study may be either a survey or focus on a selected topic(s) of the era.

MUSC 454 Music of the Classical Era (3)
Prerequisite: MUSC 205 and MUSC 252.
This course offers intensive study of the music literature of the Classical Era. This study may be either a survey or focus on a selected topic(s) of the era.

MUSC 455 Music of the Romantic Era (3)
Prerequisite: MUSC 205 and MUSC 252.
This course offers intensive study of the music literature of the Romantic Era. This study may be either a survey or focus on a selected topic(s) of the era.

MUSC 456 Music of the 20th Century (3)
Prerequisite: MUSC 205 and MUSC 252.
This course offers intensive study of the music literature of the 20th century. This study may be either a survey or focus on a selected topic(s) of the era.

MUSC 458 Piano Pedagogy I (2) F
Prerequisites: junior or senior standing, PSYC 304.
Methods and materials for teaching all levels of piano in the private studio and group class setting.

MUSC 459 Piano Pedagogy II (2) W
Prerequisites: junior or senior standing or MUSC 458.
Methods and materials for teaching all levels of piano in the private studio and group class setting.

MUSC 460 Piano Pedagogy III (2) S
Prerequisites: junior or senior standing, MUSC 459.
Methods and materials for teaching all levels of piano in the private studio and group class setting.

MUSC 461 Vocal Pedagogy (3) S
Prerequisites: senior standing.
Preparation for teaching individual and class voice in the studio.

MUSC 462 String Pedagogy (3) W
Prerequisites: senior standing.
Preparation for teaching individual or class lessons in string instruments.

MUSC 463 Woodwind Pedagogy (3) W
Prerequisites: senior standing.
Preparation for teaching individual or class lessons in woodwind instruments.

MUSC 464 Brass Pedagogy (3) W
Prerequisites: senior standing.
Preparation for teaching individual or class lessons in brass instruments.

MUSC 467 Accompanying (3) FWS
Note: may be repeated.
Vocal and instrumental literature, analyzing accompanist’s problems.

MUSC 468 Percussion Pedagogy (3)
Prerequisites: senior standing and permission of the instructor.
Preparation for teaching individual and class percussion in the studio.

MUSC 470 Senior Recital (1–5) FWS
Note: may be repeated.
A study of keyboard literature from pre-Baroque through Classical Periods.

MUSC 480 Keyboard Literature I (2) F
Prerequisite: junior or senior standing.
A study of keyboard literature from pre-Baroque through Classical Periods.

MUSC 481 Keyboard Literature II (2) W
Prerequisites: junior or senior standing or MUSC 480.
A study of keyboard literature from late Classical through the Romantic Period.

MUSC 482 Keyboard Literature III (2) S
Prerequisites: junior or senior standing or MUSC 481.
A study of keyboard literature from the late Romantic Period through the 20th century.

MUSC 488 Senior Project (4)
Note: This course is the first in a two course sequence. Upon successful completion of MUSC 488, students will take MUSC 490 for a capstone project.
Prerequisites: GSD 386, MUSC 386.
MUSC 488 is a projects-based course designed for seniors. Students will work in teams on client sponsored projects. Each team will use appropriate tools, digital systems and management skills in support of project development.

MUSC 490 Senior Capstone (4) FWS
Prerequisites: MUSC 488.
Satisfies: senior capstone university graduation requirement.
This course will provide project-oriented learning experiences for seniors in preparation for professional working environments (e.g., software development for musical training). Emphasis will be placed on the development of: 1) creative thinking and design skills, 2) independent initiative to achieve goals and 3) collaborative skills for working in teams.

MUSC 491 Music Senior Thesis (4) FWS
Prerequisites: senior standing.
Satisfies: senior capstone university graduation requirement.
Students apply their intellectual and research skills to a relevant music project. This thesis project serves as a basis for their professional careers as they enter the fields of performing arts, music education, composition or music scholarship.

MUSC 496 Experimental Course in Music (1–5) FWSU

MUSC 497 Workshops, Short Courses, Conferences (1–5) FWSU

MUSC 498 Seminar (1–5) FWSU

MUSC 499 Directed Study (1–5) FWSU
Prerequisite: permission of the instructor, department chair and college dean.
Individual study projects in selected special field of music.

MUSC 510 Advanced Conducting (3)
Note: may be repeated for a maximum of 9 credits.
Instrumental and choral scores with extensive application of conducting techniques to these forms.

MUSC 520 Research Techniques and Bibliography in Music (3) F
Basic references, bibliographic aids and research techniques.

MUSC 521 Research Design in Music Education (3)
Interpreting, reviewing and designing various types of music education research and writing research proposals and reports.

MUSC 529 Applied Lesson (1) FWS
Note: may be repeated each quarter.
Participation in an instrumental ensemble.

MUSC 530 Instruction on Instrument or Voice (2) FWS

MUSC 531 Alternative Approaches to Music Education (3) FWS
Examining diverse philosophical, curricular and administrative components of community-based music education, spanning life-long learning in increasingly varied settings.

MUSC 532 Pedagogy of Collegiate Teaching (3) FWS
A preparation for teaching in the modern university environment, examining the role of the professor, and focusing on the development of innovative teaching skills appropriate to the college setting.

MUSC 535 Music Ensemble: Instrumental (1–2) FWS
Note: may be repeated each quarter.
Participation in an instrumental ensemble.

MUSC 536 Music Ensemble: Vocal (1–2) FWS
Note: may be repeated each quarter.
Participation in an instrumental ensemble.
MUSC 537 Contemporary Music Ensemble (3) FWS
Note: may be repeated each quarter. This course allows students the opportunity to investigate through performance the music and the stylistic performance practices of music of the 20th century.

MUSC 538 Topics in Music History (3) W This course will address topics in music history, which will vary from year to year. Topics will include (but are not limited to) the music of specific nationalities, genres or composers; the history of musical instruments; music in drama; historical performance practice; and other subjects related to music history that are not covered in other music history courses offered by our department.

MUSC 546 Sociological Foundations of Music (3) Study of the interdependent relationship between society, music and music education.

MUSC 547 The Psychology of Music Learning and Teaching (3) Exploration of research and theory in the process of learning and teaching music, impacting effective functioning as music performers and teachers.

MUSC 550 Philosophical Foundations in Music Education (5) Exploration of philosophical thinking in the field of music education, with emphasis on philosophical foundations for music learning and teaching.

MUSC 551 through MUSC 556 offers intensive study of the music literature of the named period or area with emphasis on research. An extensive research paper is required in each course.

MUSC 551 Music of the Medieval Era (3)
MUSC 552 Music of the Renaissance Era (3)
MUSC 553 Music of the Baroque Period (3)
MUSC 554 Music of the Classical Period (3)
MUSC 555 Music of the Romantic Period (3)
MUSC 556 Music of the 20th Century (3)
MUSC 557 History of Jazz: Styles and Analysis (5)
This class is for the jazz pedagogy major to learn and become familiar with various artists through transcription, biographical information pertaining to a specific instrument.

MUSC 558 History of Jazz–Pedagogy (3) This class is for the graduate student to learn and become familiar with various aspects of the history of jazz by preparing and developing a twenty-class sequence covering historical, musical and social elements.

MUSC 560 Historical Analysis of Musical Structure (3) Structural analysis of music from the 16th century to the present and the relationship of this analysis to effective interpretation, performance and teaching.

MUSC 561 Counterpoint (2) This course explores the contrapuntal rules and recommendations that guide music composition in tonal contexts.

MUSC 562 Topics in Theory (3) Exploring a variety of topics in music theory through research and discovery of analytical methods.

MUSC 564A Piano Pedagogy I (2) Note: This course will be stacked with MUSC 458. Methods and materials for teaching all levels of piano in private studio and group settings.

MUSC 564B Piano Pedagogy II (2) Note: This course will be stacked with MUSC 459. Methods and materials for teaching all levels of piano in private studio and group settings.

MUSC 564C Piano Pedagogy III (2) Note: This course will be stacked with MUSC 460. Methods and materials for teaching all levels of piano in private studio and group settings.

MUSC 564D Pedagogy Vocal (3) Note: This course will be stacked with MUSC 461. Methods and materials for teaching all levels of voice instruction in private studio and group settings.

MUSC 564E Pedagogy Strings (3) Note: This course will be stacked with MUSC 462. Methods and materials for teaching all levels of string instruction in private studio and group settings.

MUSC 564F Pedagogy Woodwinds (3) Note: This course will be stacked with MUSC 463. Methods and materials for teaching all levels of woodwind instruction in private studio and group settings.

MUSC 564G Pedagogy Brass (3) Note: This course will be stacked with MUSC 464. Methods and materials for teaching all levels of brass instruction in private studio and group settings.

MUSC 564H Pedagogy Percussion (3) Note: This course will be stacked with MUSC 468. Methods and materials for teaching all levels of percussion instruction in private studio and group settings.

MUSC 565 Advanced Orchestra (3). Advanced practical arranging, orchestration and composition for school and professional orchestras.

MUSC 568 Advanced Compositional Techniques (1–5) Note: Original work in composition in larger musical forms, with emphasis on different stylistic periods.

MUSC 569 Topics in Advanced Arranging (3) Offers intensive study and analysis of a variety of arranging techniques in music theory. This course will cover skills needed to arrange music for instrumental and vocal ensembles such as: band, choir and orchestra.

MUSC 571 Jazz Ensemble Direction/ Conducting (3) This class is for the jazz pedagogy major to learn and become familiar with various aspects of their potential program. This class will deal extensively with budgets, scheduling, rehearsal techniques and literature. Students may be required to attend a festival. This class will deal extensively with budgets, scheduling, guest artists and all major aspects of a professional event.

MUSC 573 Graduate Improvisation—Transcription (3) The purpose of this class is to study style and harmonic nuances through transcription of important artists in the history of jazz. Weekly assignments include transcriptions and theoretical study.

MUSC 574 Graduate Jazz Arranging (3) The purpose of this class is to learn fundamental arranging techniques beginning with basic instrumental ranges through learning useful big band voicings. The class will cover extensively examples of arrangements and proper compositional techniques for piano, bass, drum set and guitar.

MUSC 575 String Pedagogy—Bass (2) This class is designed to educate the non-bassist with the basic functions and pedagogical materials for the instrument within the jazz idiom.

MUSC 576 Jazz Piano Pedagogy (2) Designed to educate the non-pianist with the basic functions and pedagogical materials and views of the instrument within the jazz idiom.

MUSC 577 Drum Set Pedagogy (2) Designed to educate the non-percussionist with the basic functions and pedagogical materials and views of the instrument within the jazz idiom.

MUSC 578 Saxophone Pedagogy (2) Designed to educate the non-saxophonist with the basic functions and pedagogical materials and views of the instrument within the jazz idiom.

MUSC 579 Brass Pedagogy (Trumpet/Trombone) (2) Designed to educate the non-brass player with the basic functions and pedagogical materials and views of the instrument within the jazz idiom.

MUSC 596 Experimental Course (1–5) FWS
Note: only one workshop course for up to 3 credits may be used to fulfill graduate degree requirements.

MUSC 598 Graduate Seminar in Music (3)
MUSC 599 Independent Study (1–5) FWS
Prerequisite: permission of the instructor, department chair and college dean.

MUSC 600 Thesis (1–15) FWS
Prerequisite: permission of the instructor, department chair and college dean.

MUSC 601 Graduate Recital (1–15) FWS
Prerequisite: permission of the instructor, department chair and college dean.

MUSC 602 Final Master’s Project (1–15) For students whose culminating master’s project is not a thesis. This includes students in the Performance Emphasis who are writing a recital document; students in the Jazz Studies Emphasis who are writing a method book or other practical/applied document; or students in any M.M. emphasis who, with advisor permission, are completing any kind of non-thesis final project.

MUSC 620 The Orff Schulwerk Approach to Music Education (6) Exploring research on the philosophical and historical bases of the Orff Schulwerk approach and acquiring skills in applying relevant pedagogies in educational settings.

MUSC 621 Early Childhood Music Education (3) Explorations of philosophical, sociological, psychological and pedagogical perspectives in Early Childhood Music Education, leading to the development of skills in the design and implementation of programs.

MUSC 695 Graduate Jazz Internship (1–5) FWS
May be repeated twice for a maximum of 5 credits.
Prerequisite: permission of the instructor, department chair and college dean.

MUSC 696 College Teaching Internship (3) FWS
Prereq: credit, grade of C or better.
This class is for jazz pedagogy students to learn various aspects of their potential program, including organizing and coordinating a jazz festival. This class will deal extensively with budgets, scheduling, guest artists and all major aspects of a professional event.

MUSC 700 Colloquium (1) FWS
FWS
NATURAL SCIENCE
College of Science, Health & Engineering

Heather McKean, Advisor
241 Science Hall 509.359.6512
Sharen Keattch, Advisor
130 Science Hall 509.359.7358
BAE Minor

Faculty: varies.

UNDERGRADUATE PROGRAM

The Natural Science major is recommended for those students seeking K–8 certification who are particularly interested in teaching science at the 5–8 level. The coursework in this major provides a foundation of scientific principles required to teach the Washington Essential Academic Learning Requirements for grades K–5. This major leads to a Middle School Science Endorsement.

Required courses in the following program of study may have prerequisites. Reference the course description section for clarification.

BACHELOR OF ARTS IN EDUCATION (BAE)

Note: see the Education Department for prerequisites, core requirements and additional SLOs.

Student Learning Outcomes—students will:

• understand the process of science;
• understand how energy and matter flow through physical, life, and earth systems;
• understand the evolution of natural systems and factors that result in evolution or equilibrium;
• understand how systems are organized;
• understand the process of learning science through inquiry.

NATURAL SCIENCE ELEMENTARY MAJOR AND MIDDLE LEVEL ENDORSEMENT (51 CREDITS)

ELEMENTARY EDUCATION CORE (70 CREDITS)

Completion of this major, the General Degree Completion Requirements for Elementary Education, satisfies the state requirements for an Elementary Education teaching endorsement and a Middle Level Science teaching endorsement (grade levels 5–9).

Note: *prerequisites apply:
*NTSC 301 requires prerequisites of GEOL 115 or GEOL 115; MATH 211 and successful completion or concurrent enrollment in CHEM 161;
*NTSC 302 requires prerequisites of BIOL 115; CHEM 161; MATH 211;
*PHYS 115 require a prerequisite of MATH 211.

Required Courses (51 credits)

| Life Science (*15 credits) | BIOL 115 Investigating Biology (5)* | BIOL 320 The Human Prospect* (5) | NTSC 302 Middle Level Life Science Inquiry (5)* |
| Earth Science (*15 credits) | GEOL 115 Investigating Earth Science (5)* | GEOL 204 Atmospheric Environment (5) | NTSC 301 Middle Level Earth Science Inquiry (5)* |
| Physical Science (*15 credits) | CHEM 161 General Chemistry for the Health Sciences (5) | PHYS 115 Investigating Physical Science (5)* | PHYS 121 Descriptive Astronomy (5) |
| Other (*6 credits) | EDUC 417 Culture of Middle Level School (3) | NTSC 390 Middle Level Science Methods (5)* |

Total minimum credits for above major 51 credits

MINOR

The Natural Science minor is recommended for those students seeking K–8 certification who are particularly interested in teaching science at the K–5 level. The coursework in this minor provides a foundation of scientific principles required to teach the Washington Essential Academic Learning Requirements for grades K–5.

Required courses in the following program of study may have prerequisites.

NATURAL SCIENCE ELEMENTARY MINOR (30 CREDITS)

Completion of this minor, the General Degree Completion Requirements for Elementary Education and a major field of study satisfies the state requirements for an Elementary Education teaching endorsement. This minor does not fulfill the state middle level science endorsement.

Required Courses (15 credits)

| BIOL 115 Investigating Biology (5) | GEOL 115 Investigating Earth Science (5) | PHYS 115 Investigating Physical Science (5) |
| Electives—select one course from each area listed below (15 credits) |

Natural Science Courses

Terms offered: fall, winter, spring, summer (FWSU). If no terms are indicated, check with the department or EagleNET.

NTSC 299 Individual Study (1–5) FWS
Prerequisite: permission of the instructor.
Individual studies in natural science or planetarium operations.

NTSC 301 Middle Level Earth Science Inquiry (5)
Prerequisite: GEOL 115 or GEOL 115; MATH 211 and successful completion or concurrent enrollment in CHEM 161.
This is a required class for students planning to teach middle school science. Emphasis will be on laboratory and inquiry based earth science investigations the contents of which support instruction of the National Science Education Standards and Washington Essential Academic Learning Requirements (EALRs).

NTSC 302 Middle Level Life Science Inquiry (5)
Prerequisite: BIOL 115; CHEM 161; MATH 211.
This course is designed for students seeking the Middle Level Science Endorsement. Emphasis is placed on understanding the life science principles underlying the 5–9 grade level expectations of the Washington State Essential Academic Learning Requirements. Students will construct knowledge of these principles through inquiry.

NTSC 390 Middle Level Science Methods (3)
Prerequisites: NTSC 301 and NTSC 302.
This science methods course is designed for students seeking endorsement to teach middle school science. The class includes information and strategies for teaching the Washington state science standards. The focus will be on addressing commonly held misconceptions, lab safety as well as techniques and activities for teaching life, earth and physical sciences at the middle school level.
They may forget your name but they will never forget how you made them feel.
Maya Angelou (1928–2014)
UNDERGRADUATE PROGRAMS

An agreement referred to as the Intercollegiate Nursing Alliance allows for admission of a select proportion of students from three partner universities (Washington State University, Eastern Washington University and Whitworth University) into the upper division portion of the nursing program. This agreement is based on a long-standing collaboration between these universities. Alliance students take lower-division classes at a partner university and upper-division nursing courses at the Washington State University College of Nursing.

General Admissions Requirements for Nursing

Admission to the upper division, nursing major taught in the WSU College of Nursing is based upon evaluation of the student’s entire application, including academic record, GPA and personal interview. The number of applicants to the WSU College of Nursing may exceed the number that can be admitted; therefore, no assurance can be given that all applicants admitted to Eastern Washington University and successfully completing the lower-division requirements would be admitted to the nursing major. Applicants must complete 90 acceptable quarter credits from Eastern Washington University. The credits must include courses that meet general education core requirements university, competencies and proficiencies, university graduation requirements (the EWU senior capstone is waived), and the prerequisite courses for the nursing program. Approximately 650 basic and registered nurse students are enrolled in the baccalaureate, nursing program. The undergraduate program is for students initiating the study of nursing and for registered nurses who wish to obtain a baccalaureate, nursing program. The undergraduate program is for students initiating the study of nursing and for registered nurses who wish to earn a baccalaureate degree in nursing. For more information please contact GUAA.

Instructional programs are conducted at the baccalaureate level to develop responsible citizens and to provide the professional knowledge, skills and values essential to the practice of nursing throughout our global society. The undergraduate curriculum includes both liberal arts education and preparation as a generalist in the practice of nursing.

EWU Nursing Prerequisite Courses (59 credits)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 232</td>
<td>Human Anatomy and Physiology for Non-Biology Majors</td>
<td>5</td>
</tr>
<tr>
<td>BIOL 233</td>
<td>Human Anatomy and Physiology for Non-Biology Majors</td>
<td>5</td>
</tr>
<tr>
<td>BIOL 234</td>
<td>Human Anatomy and Physiology for Non-Biology Majors</td>
<td>5</td>
</tr>
<tr>
<td>BIOL 235</td>
<td>Elementary Medical Microbiology (3)</td>
<td>5</td>
</tr>
<tr>
<td>CHEM 161</td>
<td>General Chemistry for the Health Sciences (5)</td>
<td>5</td>
</tr>
<tr>
<td>CHEM 162</td>
<td>Organic Chemistry for the Health Sciences (5)</td>
<td>5</td>
</tr>
<tr>
<td>CHEM 163</td>
<td>Biochemistry for the Health Sciences (5)</td>
<td>5</td>
</tr>
<tr>
<td>CSBS 320</td>
<td>Introductory Statistics for the Social Sciences (5)</td>
<td>5</td>
</tr>
<tr>
<td>FDNT 356</td>
<td>Nutrition (5)</td>
<td>5</td>
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<tr>
<td>PSYC 100</td>
<td>General Psychology (5)</td>
<td>5</td>
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<tr>
<td>PSYC 201</td>
<td>Life Span Development (4)</td>
<td>4</td>
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<tr>
<td>SOCI 101</td>
<td>Introduction to Sociology (5)</td>
<td>5</td>
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<tr>
<td>or SOCI 263</td>
<td>Social Problems (5)</td>
<td>5</td>
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</tbody>
</table>

New requirements for the College of Nursing for spring 2014 admission.

- TEAS Testing; TEAS (Test of Essential Academic Skills) is a proctored online multiple choice exam that measures entry level skills and abilities (science, math, language and reading language) of nursing program applicants.
- Prospective students must score at the proficient, advanced or exemplary level to be eligible for admission.
- A proctored writing exam will be given to students during the personal interview process.
- Fifty hours of volunteer/work experience in the healthcare or related setting.

After admission and prior to registration at the WSU College of Nursing, basic students are required to submit evidence of First Aid and CPR (must be Adult, Infant and Child) certification. CPR certification must also be updated annually unless the initial card is valid for two years. HLED 194 Emergency Response (3) provides both certifications.

*All courses listed above must be completed by the end of spring quarter for fall enrollment or by the end of fall quarter for spring enrollment.

**Required courses in the following program of study may have prerequisites. Reference the course description section for clarification.

BACHELOR OF SCIENCE (BSN)

Student Learning Outcomes—students will:
- provide competent nursing care to individuals, families, groups and communities through promotion, maintenance, and restoration of health; prevention of illness, and physical, emotional, and spiritual support throughout life span;
- formulate nursing practice decisions using evolving knowledge and research from nursing science, the biological and behavioral sciences and humanities;
- use developmentally appropriate teaching-learning principals to assist clients to achieve their health goals and to assist colleagues to improve the quality of their nursing care;
- provide compassionate, ethical care to individuals of diverse cultures, values, beliefs, and lifestyles;
- demonstrate the values central to nursing practice including: altruism, autonomy, human dignity, integrity, and social justice;
- protect the rights of people to receive optimum care and make informed decisions affecting their health welfare.

NURSING MAJOR (94.5 CREDITS)

Nursing Major Required Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>NURS 308</td>
<td>Professional Development I: Research and Informatics</td>
<td>4.5</td>
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<tr>
<td>NURS 309</td>
<td>Professional Development II: Ethical Reasoning and Decision Making Processes in Nursing</td>
<td>4.5</td>
</tr>
<tr>
<td>NURS 311</td>
<td>Pathophysiology and Pharmacology for Nursing</td>
<td>6</td>
</tr>
<tr>
<td>NURS 315</td>
<td>Nursing Practice: Health and Illness</td>
<td>6</td>
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<tr>
<td>NURS 316</td>
<td>Introduction to Nursing Practice in Health and Illness: Theory</td>
<td>3.5</td>
</tr>
<tr>
<td>NURS 317</td>
<td>Health Assessment</td>
<td>4.5</td>
</tr>
<tr>
<td>NURS 322</td>
<td>The Human Experience of Diversity and Health</td>
<td>3</td>
</tr>
<tr>
<td>NURS 324</td>
<td>Nursing Concepts in Acute and Chronic Illness in the Adults</td>
<td>6</td>
</tr>
<tr>
<td>NURS 325</td>
<td>Nursing Practice in Acute and Chronic Illness in Adults</td>
<td>7.5</td>
</tr>
<tr>
<td>NURS 328</td>
<td>Introduction to Gerontological Nursing</td>
<td>5</td>
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<tr>
<td>NURS 408</td>
<td>Professional Development III: Leadership and Management</td>
<td>4.5</td>
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<tr>
<td>NURS 409</td>
<td>Professional Development IV: Transition to Practice</td>
<td>3</td>
</tr>
<tr>
<td>NURS 414</td>
<td>Child and Family Health: Theory</td>
<td>4.5</td>
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<tr>
<td>NURS 417</td>
<td>Childbearing Health of the Family</td>
<td>4.5</td>
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<tr>
<td>NURS 417</td>
<td>Nursing Care of Childbearing Families</td>
<td>3</td>
</tr>
<tr>
<td>NURS 424</td>
<td>Psychiatric/Mental Health Nursing Concepts</td>
<td>4.5</td>
</tr>
<tr>
<td>NURS 425</td>
<td>Nursing Practice: Psychiatric/Mental Health</td>
<td>5</td>
</tr>
<tr>
<td>NURS 426</td>
<td>Community Health Nursing Theory</td>
<td>3</td>
</tr>
<tr>
<td>NURS 427</td>
<td>Community Health Nursing Practice</td>
<td>4.5</td>
</tr>
<tr>
<td>NURS 430</td>
<td>Senior Practicum</td>
<td>4.5</td>
</tr>
</tbody>
</table>

Elective

Tier III/Upper Division Elective (4.5)

Required program credits

<table>
<thead>
<tr>
<th>Credits</th>
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<tbody>
<tr>
<td>90</td>
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</table>

Elective credits

<table>
<thead>
<tr>
<th>Credits</th>
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<tbody>
<tr>
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</tbody>
</table>

Total credits for above major

<table>
<thead>
<tr>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>94.5</td>
</tr>
</tbody>
</table>

Nursing Program for Registered Nurses Required Courses

BSN for RNs Admission Criteria

- Washington State RN licensure eligibility (National Background Check clearance upon acceptance to the WSU College of Nursing);
- junior year standing (60 semester hours (s)/90 quarter credits (q));
- cumulative GPA ≥3.0 in college courses and in course prerequisites to nursing;
- minimum course grade in each course prerequisite to nursing ≥C (2.0);
- must have completed 50 hours of volunteer work in the healthcare setting;
- computer skills, word processing, Internet and email are essential;
- some travel to the College of Nursing in Spokane may be required.
### RN TO BSN

<table>
<thead>
<tr>
<th>Semester I</th>
<th>Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>NURS 306 Professional Nursing Concepts and Issues (2)</td>
<td>NURS 308 Professional Development I: Research and Informatics (4.5)</td>
</tr>
<tr>
<td>NURS 365 Assessment and Application of Physiological Concepts I (3)</td>
<td>Prerequisite: admission to nursing program or permission of the instructor.</td>
</tr>
<tr>
<td>NURS 400 Research and Informatics (3)</td>
<td>First of Professional Development series. Focus on nursing and health care research, information management, informatics and development of nursing research.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Semester II</th>
<th>Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>NURS 366 Assessment and Application of Physiological Concepts II (3)</td>
<td>NURS 405 Nursing Leadership (2)</td>
</tr>
<tr>
<td>NURS 477 Ethics in Health Care (2)</td>
<td>NURS 440 Community Health Nursing Concepts (2)</td>
</tr>
<tr>
<td></td>
<td>NURS 462 Psychiatric Mental Health Concepts (2)</td>
</tr>
<tr>
<td></td>
<td>NURS 465 Community and Psychiatric Mental Health Practice (3)</td>
</tr>
<tr>
<td></td>
<td>(8 hours per week; 108 hours total)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Semester III</th>
<th>Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>NURS 406 Nursing Management (3)</td>
<td>NURS 315 Pharmacology and Nonpharmacologic Therapies (3)</td>
</tr>
<tr>
<td>NURS 495 Advanced Clinical Practicum (80 hours as arranged) (2)</td>
<td>Prerequisites: NURS 311, 314, 315; co-requisite NURS 324.</td>
</tr>
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</table>

### Nursing Courses

**Terms offered:** check with the department or EagleNET.

**NURS 308** Professional Development I: Research and Informatics (4.5)

- **Prerequisite:** admission to nursing program or permission of the instructor.

First of Professional Development series. Focus on nursing and health care research, information management, informatics and development of nursing research.

**NURS 309** Professional Development II: Ethical Reasoning and Decision Making Processes in Nursing (4.5)

- **Prerequisites:** NURS 308; co-requisite NURS 315

Continuation of Professional Development series. Moral/ethical reasoning models, decision processes and philosophical basis of nursing as a discipline explored.

**NURS 311** Pathophysiology and Pharmacology in Nursing (6)

- **Prerequisite:** admission to nursing major.

Etiology, pathogenesis, clinical manifestations of common human dysfunction. Nursing implications for prevention and therapeutic approaches including pharmacologic and nonpharmacologic therapies.

**NURS 315** Nursing Practice: Health and Illness (6)

- **Prerequisites:** NURS 308, 314.

Introduction to nursing practice and health assessment. Professional values, core competencies, core knowledge and role development.

**NURS 316** Introduction to Nursing Practice in Health and Illness: Theory (3)

Introduction to theoretical foundations of nursing practice. Core values of caring and holism provide framework for multidimensional assessment of adults.

**NURS 317** Health Assessment (4.5)

Systematic approach to health assessment of adults. Holistic assessment is emphasized, incorporating use of nursing process and scientific rationale.

**NURS 322** The Human Experience of Diversity and Health (3)

- **Prerequisite:** admission as nursing major or permission of the instructor.

Explorations of regional, national and global expressions of health and illness and implications for health care professionals.

**NURS 323** Nursing in the Genome Era 2 (3)

Genome science and application of genetic and genomic concepts to nursing care.

**NURS 324** Nursing Concepts in Acute and Chronic Illness in the Adult (6)

- **Prerequisites:** NURS 311, 314, 315

Theoretical concepts of acute and chronic illness in the adult as a basis for critical thinking and decision-making in nursing.

**NURS 325** Nursing Practice in Acute and Chronic Illness in Adults (7.5)

- **Prerequisites:** NURS 311, 314, 315; co-requisite NURS 324.

Application of acute/chronic illness concepts in adults as a basis for critical thinking and decision-making in nursing.

**NURS 328** Introduction to Gerontological Nursing (3)

- **Co-requisite:** NURS 318

Professional values, communication and functional assessment in care of elders. Core knowledge and role development of the gerontological nurse.

**NURS 400** Professional Development III: Leadership and Management (4.5)

- **Prerequisite:** NURS 309

Continuation of Professional Development series. Focus on leadership, management and resource allocation on patient outcomes.

**NURS 409** Professional Development IV: Transition to Practice (3)

- **Prerequisite:** NURS 408

Continuation of professional development series. Focus on transition to practice and nursing across health care systems/delivery within global arena.

**NURS 412** Family and Community as a Context of Care I (1.5)

Concepts of family-focused nursing assessment, planning and interventions with emphasis on referral to appropriate community resources.

**NURS 414** Child and Family Health: Theory (4.5)

- **Prerequisites:** NURS 324, 325; co-requisite: NURS 318, 328.

Analysis and evaluation of scientific and theory base for nursing care of children and families.

**NURS 415** Children and Families As the Focus of Nursing Care (3)

- **Prerequisites:** NURS 324, 325; co-requisites: NURS 318, 328, 414.

Synthesis and application of underlying science and nursing process with the unique population of children and families.

**NURS 416** Childbearing Health of the Family (4.5)

- **Prerequisites:** NURS 324, 325; co-requisites: NURS 318, 328.

Care of childbearing families within the context of community. Newborn health and men's and women's reproductive health are addressed.

**NURS 417** Nursing Care of Childbearing Families (3)

- **Prerequisites:** NURS 324, 325; co-requisites: NURS 318, 328.

Nursing care of families during the childbearing continuum in community and/or acute care settings (combination of clinical and seminar).

**NURS 424** Psychiatric/Mental Health Nursing Concepts (4.5)

- **Prerequisites:** NURS 414, 415, 416, 417

Healthy to psychopathological states studied within a nursing framework. Includes history, theories, legal/ethical issues of psychiatric/mental health nursing.

**NURS 425** Nursing Practices Psychiatric/Mental Health (3)

- **Prerequisites:** NURS 414, 415, 416, 417; co-requisite: NURS 424.

Clinical application of the nursing process with clients experiencing acute and chronic psychiatric/mental health disruptions.

**NURS 426** Community Health Nursing Theory (3)

- **Prerequisites:** NURS 414, 415, 416, 417.

Synthesis of nursing and public health concepts with emphasis on community as partner and population-focused practice.

**NURS 427** Community Health Nursing Practice (4.5)

- **Prerequisites:** NURS 414, 415, 416, 417; co-requisite: NURS 426.

Promoting the public's health through application of the public health functions: assessment, policy development and assurance.

**NURS 430** Senior Practicum (4.5)

- **Prerequisites:** NURS 408, 412, 424, 426, 427.

Clinical and theoretical concepts are applied in a concentrated clinical practicum. Use of clinical preceptors and student objectives is employed.

**NURS 456** Narrative Health Care in Clinical Practice (4.5)

- **Prerequisites:** NURS 315, 316.

Narrative processes of attention, representation and affiliation experienced by health professional students in clinical encounters.

**NURS 476** Health Law: Application to Practice (4.5)

- **Prerequisites:** junior standing.

Laws, principles and issues related to regulations of health care professionals, practice settings and public and private programs.

**NURS 479** Advanced Physiology for Clinical Practice (4.5)

- **Prerequisite:** admission to WSU nursing program.

Cellular and system physiology foundational to advanced practice and understanding drug mechanisms of action.

**NURS 481** International Health Care (4.5)

- **Prerequisites:** NURS 315, 316.

Study abroad experience in global health care; assessment and evaluation skills in planning and implementing culturally appropriate health care for individuals and communities.

**NURS 491** Advanced Cardiac Life Support (ACLS) and Laboratory Value Analysis and Interpretation (4.5)

- **Prerequisites:** NURS 310, 316.

Analysis/interpretation of common laboratory values; basic interpretation of common ECG rhythms, dysrhythmias and application of ACLS dysrhythmias management guidelines.

**NURS 492** Essentials of Disaster Management for Nurses (4.5)

- **Prerequisites:** junior standing and certified nursing major.

Natural and man made disasters; nursing implications for disaster management; mental health and ethical issues and concerns related to vulnerable populations.

**NURS 498** Special Topics in Nursing (1.5–4.5)

- **Prerequisite:** senior standing or permission of the instructor.

Selected topics in nursing.

**NURS 499** Independent Study (2–6)

www.ewu.edu
OCCUPATIONAL THERAPY

Gregory Wintz, Chair  
Health Sciences Bldg.  
310 North Riverpoint Blvd, Box R  
Spokane, WA 99202-1675  
509.828.1344

MOT


UNDERGRADUATE PROGRAM

Bachelor of Arts in Interdisciplinary Studies or Bachelor of Science in Exercise Science or Bachelor of Arts in Therapeutic Recreation with an emphasis in Occupation Therapy leading to a Master of Occupational Therapy.

GRADUATE PROGRAM

Student Learning Outcomes—students will:

• demonstrate knowledge and skills for client-centered occupation-based evaluation and intervention to promote full societal participation of clients,
• understand and apply evidence-based strategies to inform professional practice,
• describe and apply values and ethics represented in the AOTA’s official documents,
• demonstrate leadership and research skills for promoting and advancing the profession,
• demonstrate a commitment to lifelong learning by maintaining currency in professional practice.

MASTER OF OCCUPATIONAL THERAPY

The Profession: Occupational Therapy (OT) is a health and rehabilitation profession that helps people of all ages to participate more fully in their daily lives. Occupational therapists assist persons who are experiencing a physical, cognitive or emotional impairment(s) recover to their maximum level of independence. Occupational therapists help people take care of themselves and their families, enjoy life and contribute to the social and economic fabric of the community.

Our Mission

• To develop person-centered occupational therapists of the highest integrity who practice with a strong occupation-based foundation from which they support and promote quality of life and full participation,
• To prepare students for a broad scope of practice with consideration for addressing the needs of the under served,
• To deliver an academic program which meets a spectrum of educational needs for students and professionals, in collaboration with community partners, while demonstrating teaching and learning excellence.
• To advance the profession with new, innovative and cost effective services for current and future practice opportunities.

Our Vision

• We envision a globally active community of students, faculty and community partners who demonstrate a respect for diversity, a passion for learning and a commitment to person-centered, occupation-focused and evidence-based practice.

Accreditation: The Occupational Therapy Program at Eastern Washington University is accredited by the Accreditation Council for Occupational Therapy Education (ACOTE) of the American Occupational Therapy Association (AOTA), located at 4720 Montgomery Lane, STE 200, Bethesda, MD 20814-3449. ACOTE’s telephone number c/o AOTA is 301.652.AOTA. www.aota.org

Graduates of the program will be eligible to sit for the National Certification Examination for the Occupational Therapist administered by the National Board for Certification of Occupational Therapy (NBCOT). After successful completion of this exam, the individual will be an occupational therapist, registered (OTR). In addition, most states require licensure to practice. However, state licenses are usually based on the results of the NBCOT certification examination. A felony conviction may affect a graduate’s ability to sit for the NBCOT certification examination or attain state licensure. Students must complete Level II Fieldwork within 24 months following completion of the didactic portion of the program.

General Admission Requirements: Eastern provides two methods for students seeking entry into the profession of occupational therapy: 1) Combined Bachelor of Arts (BA) in Interdisciplinary Studies, Bachelor of Science (BS) in Exercise Science or Bachelor of Arts (BA) in Therapeutic Recreation with the Master of Occupational Therapy (MOT) degree programs available at EWU or 2) Completed bachelor’s degree in any discipline ready to pursue graduate studies immediately. General admission requirements to both are each described below.

1. Complete the prerequisite courses listed:
   • Chemistry: any college-level course (5)
   • English Composition or Technical Writing (200-level or above) (5)
   • Human Anatomy (200-level or above) (5)
   • Human Physiology (200-level or above) (5)
   • Introduction to Occupational Therapy (2)
   • Medical Terminology (2)
   • Psychology 100 General (or Human) Psychology (5)
   • Abnormal Psychology (200-level or above) (5)
   • Introduction to Sociology or Cultural Anthropology (5)
   • Human Development through the Life Span (200-level or above) (4–5)
   • Statistics (5)

   a. If the full A and P series (BIOL 232, 233 and 234) is completed at EWU, the medical terminology prerequisite is waived. The full A and P series is recommended if attending EWU.
   b. It is highly recommended that students take OCTH 201 Introduction to OT at EWU (offered fall quarter and online every quarter). However, if this is not possible, the course is available online. Contact EWU Online Learning at 509.359.2268.
   c. OCTH 292 Medical Terminology can also be taken online at EWU. Contact EWU Online Learning at 509.359.2268.

Other

Public Speaking—candidates are expected to be proficient in public speaking.
Computer Competency—candidates are expected to be proficient with and have access to a computer.

Students are required to have an email address during the program.

2. Complete the Graduate Record Examination (GRE) by January 1st of the year of application. Successful candidates are expected to perform a score greater than three (3) on the written section of the examination. GRE scores are valid for five years after test date.

3. Complete a minimum of 40 hours work/observation/volunteer experience with persons who have disabilities. Ten of the 40 hours must be in at least two different types of practice settings (e.g., acute care institutions, rehabilitation centers, pediatric centers, residential facilities, nursing homes, schools or mental health settings) under the supervision of a licensed occupational therapist.

4. Three letters of recommendation. One letter of recommendation must come from the supervising occupational therapist of the volunteer experience.

5. Personal Essay

6. Successful completion of a group interview.

7. Formal application is made online to OTCAS at www.otcas.org.
MAJORS in EXERCISE SCIENCE, INTERDISCIPLINARY STUDIES or THERAPEUTIC RECREATION LEADING to a MASTER OF OCCUPATIONAL THERAPY (MOT)

Student Learning Outcomes—students will:

• demonstrate abilities to critically think, problem solve and create;
• demonstrate competence in basic computer use, including the ability to use databases and search engines to access information, word processing for writing and presentation development;
• demonstrate study skills and habits appropriate for pre-professional students interested in occupational therapy;
• recognize, identify and describe the basic anatomical structures and physiological and neurological processes associated with human function;
• apply basic principles of human occupation across the lifespan;
• demonstrate knowledge and understanding of the basic concepts of human behavior and how behavior affects participation in life through engagement in occupation.

The Advanced Standing Master of Occupational Therapy program will allow a student to complete the requirements for an undergraduate degree while enrolled in courses required for the first year of the professional Occupational Therapy program. The student begins the occupational therapy track in the senior year, earns a Bachelor of Arts degree in Interdisciplinary Studies or a Bachelor of Arts degree in Therapeutic Recreation or a Bachelor of Science degree in Exercise Science, and applies to the Advanced Standing MOT program, which can be completed over the next one and half years. This program will introduce occupational therapy to undergraduate students early in their career development.

Admission to Combined Bachelor’s and Master of Occupational Therapy Program
The student first meets with the Admissions Coordinator of the Occupational Therapy Department for review of prerequisites, the course of study and a discussion of occupational therapy as a profession. A student pursuing a BA in Interdisciplinary Studies will be referred to the director of Interdisciplinary Studies for formal application, and students working toward degrees in Exercise Science and Therapeutic Recreation will work with program advisors from those respective programs.

Students interested in working toward a combined Bachelor’s and Master of Occupational Therapy should contact Carrie Walker, Admissions Coordinator, Department of Occupational Therapy, Eastern Washington University, 310 N. Riverpoint Blvd., Box R, Spokane WA 99202-1675 or call 509.828.1344 or contact cwalker@ewu.edu.

During the first three years of the Exercise Science degree with an emphasis in occupational therapy, the student develops a solid foundation in exercise science, as well as meets all university graduation requirements. Additionally, during this time, the student fulfills the prerequisite requirements for the Master of Occupational Therapy.

Students who require advising in the Exercise Science degree with an emphasis in Occupational Therapy should contact Wendy Repovich, PhD, Exercise Science director, PEHR Dept., 200 Physical Education Building, Cheney, WA, 99004-2476, or call 509.359.7960 or wreovich@ewu.edu.

Students who require advising in the Therapeutic Recreation degree with an emphasis in Occupational Therapy should contact Dr. Emily Messina, Therapeutic Recreation director, PEHR Dept., 200 Physical Education Bldg., Cheney, WA, 99004-2476 or call 509.359.6545 or emessina@ewu.edu.

Students interested in the Bachelor of Arts in Interdisciplinary Studies major are encouraged to meet with an advisor from the Department of Occupational Therapy during the sophomore year and no later than the spring of the junior year. During the first three years of the Interdisciplinary Studies major with an emphasis in Occupational Therapy, the student develops a course of study to address his or her interests, as well as meet university and interdisciplinary studies’ major requirements. Additionally, during this time, the student fulfills the prerequisite requirements for the Advanced Standing MOT.

Students who require advising in the Interdisciplinary Studies major with an emphasis in Occupational Therapy should contact John Neace, Director, Interdisciplinary Studies, 300 Senior Hall, Cheney, WA, 99004-2414 or call 509.359.6524 or jneace@ewu.edu.

Admission to the occupational therapy track is offered only one time per year with students beginning the program summer quarter. A personal interview may be required for admission into the occupational therapy track. The deadline for applications is the January 1 prior to the expected summer quarter admission. The department admission committee will review and evaluate all applicants’ admission materials and prerequisites.

Check with the department for exact admission deadlines: 509.828.1344.

Occupational Therapy Track Admission Criteria
• Completion of 122 or more undergraduate credits and all general education requirements for EWU.
• Completion of all prerequisite courses for application to the occupational therapy track. All of the prerequisite courses must be completed prior to admission into the occupational therapy track.
• Numbers in parentheses indicate the number of quarter credits required.

Additional Requirements
The admissions process in occupational therapy is highly competitive. The requirements listed below are the minimum acceptable requirements to apply to the program and are not indicative of the competitive range of students generally accepted into the program. The following are the minimum acceptable requirements:

1. minimum cumulative GPA ≥ 3.0 in the last 60 graded quarter hours;
2. minimum cumulative GPA ≥ 3.0 of all prerequisite courses with no course <2.0.

During the senior year, the student begins a series of required courses listed below.

Students enrolled in the occupational therapy track must complete the schedule of courses in the MOT curriculum toward completion of a BA in Interdisciplinary Studies, BA in Therapeutic Recreation or BS in Exercise Science, occupational therapy track.

Note: A student may elect to discontinue the occupational therapy track and decide not to pursue the Master of Occupational Therapy. The student may complete the remaining 180 credits toward graduation in courses outside the occupational therapy curriculum and meet the graduation requirements for a Bachelor of Arts in Interdisciplinary Studies, or Therapeutic Recreation or a Bachelor of Science in Exercise Science.

Note: two years of a single high school foreign language or one year of a single college-level foreign language is required for a Bachelor of Arts degree.

Applications for admission into the combined bachelor’s programs with the MOT program are available on the Occupational Therapy Department website or upon request.

EWU Department of 310 N. Riverpoint Blvd., Box R Occupational Therapy Spokane WA 99202 509.828.1344

cwalker@ewu.edu

ADVANCED STANDING MASTER OF OCCUPATIONAL THERAPY

This program allows qualified students who have graduated in one of the combined bachelor’s/MOT program to complete the MOT in one and one half years (73 credits).

Advanced Standing Master of Occupational Therapy Criteria
• Prior to January 1, students apply to the Advance Standing Master of Occupational Therapy Program (see Master of Occupational Therapy admission requirements).
• Successful completion of the Interdisciplinary Studies, Exercise Science and Therapeutic Recreation Degree or equivalent (completed by August 30 of the baccalaureate graduation year.)
• Students must demonstrate a 3.0 cumulative college GPA in all Occupational Therapy courses with no course grade below a 2.5. Eligibility for graduate admission is determined by a minimum GPA of 3.0 in the last 90 quarter graded hours.
• Admission to Graduate Studies at Eastern Washington University. EWU Graduate Studies is located at 206 Showalter Hall, Cheney WA 99004 (509.359.6297).
Admissions to the Master of Occupational Therapy (MOT) with a bachelor degree

Entry-Level Master's Admission Requirements

To be admitted to the Entry-Level Master's of Occupational Therapy Program, applicants must first meet all requirements for admission to the Graduate School as outlined elsewhere in this catalog. The admission process to the Entry-Level Master of Occupational Therapy Program is highly competitive. The requirements listed below are the minimum acceptable requirements to apply to the program and are not indicative of the competitive range of students generally accepted into the program.

Additional Requirements must be completed prior to admission into the program:

1. qualify and apply for acceptance into studies at Eastern Washington University Graduate Studies. (206 Showalter Hall, Cheney, WA 99004, 509.359.6297);
2. complete a baccalaureate degree from an accredited institution by June 15 of the year of application.

Candidacy

To be advanced to Master’s Degree Candidacy, graduate students in the Master of Occupational Therapy Degree (MOT) Program must have met the following requirements:

- submitted the Application of Degree Candidacy form to the Graduate Studies Office, specifying the Master in Occupational Therapy Degree Program approved by the Department of Occupational Therapy;
- completed the first quarter of the MOT Program’s courses with a minimum GPA ≥3.0 in all courses;
- removed any/all deficiencies regarding graduate requirements;
- met with OT graduate advisor to confirm the required course of study as well as requirements for advancing candidacy and graduation;
- received approval for advancement to candidacy from the Dean of Graduate Studies or the dean’s designee.

Final Comprehensive Examination

The final comprehensive examination for the Master of Occupational Therapy (MOT) Degree includes a research seminar and oral defense of the master’s research project presented to the department and graduate committee. Immediately following the oral defense of the research project, the student is given an oral examination administered by the student’s graduate committee which is composed of two–three departmental faculty members and a faculty member appointed by the Graduate Office. The focus of the examination is the student’s research and general questions related to the profession of occupational therapy and its practice. Successful completion of the comprehensive examination is required before enrollment in OCTH 695.

### Schedule of Courses and Credit Hours for Entry-Level Master's Program

#### FIRST YEAR

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<tr>
<th>Quarter</th>
<th>Schedule of Courses</th>
<th>Total Credit Hours</th>
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<tbody>
<tr>
<td>Summer Quarter</td>
<td>OCTH 501 Cadaver Anatomy for Occupational Therapy (6)</td>
<td>10 credits</td>
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<tr>
<td></td>
<td>OCTH 502 Occupational Performance and Movement (4)</td>
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<td></td>
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<tr>
<td>Fall Quarter</td>
<td>OCTH 503 Applied Neurology for Occupational Therapy (5)</td>
<td>16 credits</td>
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<tr>
<td></td>
<td>OCTH 504 Foundations of Occupational Therapy (5)</td>
<td></td>
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<tr>
<td></td>
<td>OCTH 505 Human Disease and Occupational Therapy (5)</td>
<td></td>
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<tr>
<td></td>
<td>OCTH 520/PHTH 540 Principles of Evidence Based Practice I (1)</td>
<td></td>
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<tr>
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<td>Winter Quarter</td>
<td>OCTH 506 Occupational Performance Through the Life Span (4)</td>
<td>16 credits</td>
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<tr>
<td></td>
<td>OCTH 507 Analysis of Occupational Performance I (2)</td>
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<td></td>
<td>OCTH 509 Theory and Practice in Occupational Therapy (4)</td>
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<td></td>
<td>OCTH 510 Group Process (4)</td>
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<td></td>
<td>OCTH 521 Survey of Research Methods in Occupational Therapy (2)</td>
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<td></td>
<td><strong>Total credit hours</strong></td>
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<tr>
<td>Spring Quarter</td>
<td>OCTH 508 Analysis of Occupational Performance II (4)</td>
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<td>OCTH 522 Fundamentals of Occupational Therapy Research (4)</td>
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<td></td>
<td>OCTH 523 Evaluation and Assessment of Occupational Performance (2)</td>
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<td>OCTH 530 Occupational Performance and Mental Health (6)</td>
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<td>Occupational</td>
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<td>Therapy</td>
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<td>Interdisciplinary, second area</td>
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<tr>
<td>Bachelor's program total credit hours</td>
<td>180 credits</td>
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</table>

### SECOND YEAR

#### Schedule of Courses and Credit Hours for Advanced Standing Master’s and Entry-Level Master's Program

<table>
<thead>
<tr>
<th>Quarter</th>
<th>Schedule of Courses</th>
<th>Total Credit Hours</th>
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<tbody>
<tr>
<td>Fall Quarter</td>
<td>OCTH 511 Leadership in Occupational Therapy (2)</td>
<td>16 credits</td>
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<td></td>
<td>OCTH 532 Occupational Performance in Adolescents and Adults (6)</td>
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<td></td>
<td>OCTH 540 Health Wellness and Occupational Therapy (5)</td>
<td></td>
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<tr>
<td></td>
<td>OCTH 601 Occupational Therapy Research Project I (2)</td>
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<td></td>
<td><strong>Total credit hours</strong></td>
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<tr>
<td>Winter Quarter</td>
<td>OCTH 531 Occupational Performance and Children (6)</td>
<td>17 credits</td>
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<td></td>
<td>OCTH 541 Technology and Occupational Performance (5)</td>
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<td></td>
<td>OCTH 543 Emerging Practice I (4)</td>
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<td></td>
<td>OCTH 602 Occupational Therapy Research Project II (2)</td>
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<td></td>
<td><strong>Total credit hours</strong></td>
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<tr>
<td>Spring Quarter</td>
<td>OCTH 512 Fieldwork II Seminar (1)</td>
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<td>OCTH 533 Occupational Performance and Older Adults (6)</td>
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<td></td>
<td>OCTH 542 Administration and Organization in Occupational Therapy (5)</td>
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<td>OCTH 603 Occupational Therapy Research Project III (2)</td>
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<td><strong>Total credit hours</strong></td>
<td>14 credits</td>
</tr>
<tr>
<td>Fieldwork II</td>
<td>Students must successfully complete all coursework prior to Fieldwork II.</td>
<td></td>
</tr>
<tr>
<td>Summer, Fall, Winter, Spring Quarters.</td>
<td>OCTH 695 Occupational Therapy Fieldwork Level II Education (12)</td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Total minimum credit hours</strong></td>
<td>24 credits</td>
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<tr>
<td>Advanced standing master’s program total credit hours</td>
<td>70 credits</td>
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<tr>
<td>Total first-year minimum credit hours</td>
<td>58 credits</td>
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<tr>
<td>Entry-level program total credit hours</td>
<td>128 credits</td>
<td></td>
</tr>
</tbody>
</table>

ewu graduate and undergraduate catalog 2014–15 281
OCCUPATIONAL THERAPY

OCCUPATIONAL THERAPY Courses

Terms offered: check with the department or EagleNET.

OCTH 101 Introduction to Occupational Therapy (2)
This course is to provide an overview of occupational therapy, practice of occupational therapy, disability awareness and community supports for individuals with disabilities. The students will become aware of the diversity of occupational therapy practice, practice environments and occupational therapy practitioners.

OCTH 292 Foundations of Documentation and Medical Terminology for the Rehabilitation Professional (2)
This is a self-paced course designed for the student to acquire a foundational knowledge of medical terminology and professional documentation and their applications within the rehabilitation professions. This is accomplished by examining the processes of basic word-building skills and definitions including word roots, prefixes, suffixes and combining forms. Students will apply these concepts and practice basic medical chart review and professional documentation.

Note: All graduate courses in occupational therapy are restricted to students accepted into the MOT program on a full-time basis or into the Bachelor of Arts in Interdisciplinary Studies or Therapeutic Recreation or a Bachelor of Science in Exercise Science with an emphasis in Occupational Therapy. The student must successfully complete all coursework each quarter to progress to the next quarter in the curriculum.

OCTH 501 Cadaver Anatomy for Occupational Therapy (6)
Prerequisite: admission to the MOT program.

This course is an intensive review of human anatomy and physiology as it pertains to the practice of occupational therapy. It is designed to provide the student with an opportunity to learn anatomical structures and the functional relationships of these structures to each other. Cadaver dissection is a critical component of all labs.

OCTH 502 Occupational Performance and Movement (4)
Prerequisite: admission to the MOT program.

This course is an overview study of human movement in a person/environment context. The study of the normal structure and function of the musculoskeletal system is seen as a prerequisite to the application of assessment procedures and therapeutic interventions in occupational therapy. Incorporation of clinical problems and patho-physiologic conditions will be utilized. The lab portion of the class requires the student to apply the basic principles and application of manual muscle testing and goniometry.

OCTH 503 Applied Neurology for Occupational Therapy (5)
Prerequisite: admission to the MOT program and successful completion of all coursework in the professional curriculum to this point.

This course is an overview of the neurological function and processes in the human body. Normal neurologic development throughout the life span will be the primary focus. Application of knowledge concerning neurologic process and occupational performance will be emphasized.

OCTH 504 Foundations of Occupational Therapy (5)
Prerequisite: admission to the MOT program and successful completion of all coursework in the professional curriculum to this point.

This course is an overview of the founding principles of occupational therapy as well as the development of foundational skills concerning cultural competence as a health care practitioner. The occupational performance of individuals across the life span within a multicultural context will be emphasized. Likewise, the role of theory in the understanding of practice frames of reference and standards of the profession will be closely examined and applied. Additionally, the history of the profession, clinical reasoning strategies, professional ethics and sociocultural and political impacts on the profession will all be explored.

OCTH 505 Human Disease and Occupational Therapy (5)
Prerequisite: admission to the MOT program and successful completion of all coursework in the professional curriculum to this point.

This course provides an overview of human disease and injury processes occurring throughout the life-span. The etiology, course, prognosis, treatment, and outcome of each condition will be explored. The content of course material will be investigated within the framework of human occupation emphasizing the impact of disease and injury on occupational performance and quality of life.

OCTH 506 Occupational Performance Through the Life Span (4)
Prerequisite: admission to the MOT program and successful completion of all coursework in the professional curriculum to this point.

This course is designed to apply concepts of human lifespan and development from birth to the end of adulthood to practice perspective of occupational therapy and appreciation of the complexity of typical and atypical development. Focus is on understanding the development of human occupation as it relates to the profession from birth to death, including: occupational performance, as well as the influence of context (Occupational Therapy Practice Framework, Second Edition).

OCTH 507 Analysis of Occupational Performance I (2)
Prerequisite: admission to the MOT program and successful completion of all coursework in the professional curriculum to this point.

This course is the first of a two part series, OCTH 507 Analysis of Occupational Performance I and OCTH 508 Analysis of Occupational Performance II. The Analysis I course will provide the learner with opportunities to develop a foundation of knowledge and skills for the evaluation of occupational performance through the process of activity analysis. Students will gain and demonstrate fundamental assessment skills for human activity that incorporates the contribution of performance skills, patterns, context, activity demands and client factors.

OCTH 508 Analysis of Occupational Performance II (4)
Prerequisite: admission to the MOT program and successful completion of all coursework in the professional curriculum to this point.

This course will provide the learner with opportunities to develop advanced knowledge and skills for the in-depth evaluation and analysis of occupational performance through the process of activity analysis. The relationship between the assessment of occupational performance and the conceptualization of grading and adapting occupations will be critically examined.

OCTH 509 Theory and Practice in Occupational Therapy (4)
Prerequisite: admission to the MOT program and successful completion of all coursework in the professional curriculum to this point.

This course builds upon the knowledge and concepts presented in OCTH 504 Foundations of Occupational Therapy by providing the student with an in-depth analysis of core concepts, theories, models and frames of reference for application in occupational therapy practice. Finally, the course will explore the application and importance of occupational therapy theory and frames of reference to the research process and the advancement of the profession.

OCTH 510 Group Process (4)
Prerequisite: admission to the MOT program and successful completion of all coursework in the professional curriculum to this point.

This course focuses on several advanced skills of professional communication, leadership and behaviors. Emphasis is on a, interviewing, b, group process, c, intercultural communication, d, teaming and collaboration with families, clients and other health care providers and e, the learner in process used for building interpersonal communication skills. Advanced professional communication skills are necessary tools for emerging and traditional practice arenas in occupational therapy.

OCTH 511 Leadership in Occupational Therapy (2)
Prerequisite: admission to the MOT program and successful completion of all coursework in the professional curriculum to this point.

This course focuses on leadership within the profession of occupational therapy. The course will provide the foundation for leadership theories, strategies and styles. Opportunities will be offered learners to analyze and create a personal leadership vision and to examine the diverse requirements for leadership within the profession. Leaders within the field of occupational therapy will be identified and critically debated. Additionally, the class will examine other opportunities for leadership for occupational therapy practitioners in association with OCTH 532. This course also continues to support the students' professional behavior development from the previous seminar of courses.

OCTH 512 Fieldwork II Seminar (1)
Prerequisite: admission to the MOT program and successful completion of all coursework in the professional curriculum to this point.

This course will focus on preparation for the transition from classroom to Fieldwork Level II (FWL II) experiences. Students will have the opportunity to identify and analyze the Level II fieldwork expectations, explore the supervisory and interdisciplinary team relationships, review professional and ethical behavior, develop a Level II Fieldwork Portfolio, review AOTA, NBCOT and the State of Washington licensure requirements and begin preparation for job search.

OCTH 520 Principles of Evidence-Based Practice I (1)
Cross-listed: PHTH 540.

Note: graded Pass/No Credit.

Prerequisite: admission to the MOT program and successful completion of all coursework in the professional curriculum to this point.

This is the first of three courses designed to introduce the student to evidence based practice and the process of critical inquiry. This course will be offered in an interdisciplinary format with the Department of Physical Therapy. These courses will prepare the student to become a knowledgeable consumer of research and the professional literature as it relates to the practice of occupational therapy. In this course the student will develop competence in identifying, locating, retrieving, understanding and applying the principles of research to the practice of occupational therapy.
OCTH 521 Survey of Research Methods in Occupational Therapy (2)
Prerequisite: admission to the MOT program and successful completion of all coursework in the professional curriculum to this point.

This course is designed to introduce the student to evidence-based practice and the process of critical inquiry regarding a broad spectrum of research methodologies including qualitative, quantitative, ethnographic, and phenomenological approaches. This course will prepare the student to be a knowledgeable consumer of research and the professional literature as it relates to the practice of occupational therapy. In this course, the student will develop competence in critiquing research methodologies and designs and the application of evidence-based practice in occupational therapy.

OCTH 522 Fundamentals of Occupational Therapy Research (4)
Prerequisite: Senior capstone university graduation requirement for students pursuing the Interdisciplinary BA Occupational Therapy Track. Students pursuing a Bachelor of Arts in Therapeutic Recreation or a Bachelor of Science degree in Exercise Science need to complete the senior capstone university evaluation requirements specific to those programs.

This course provides the learner with an overview of the research production process. Specific areas of focus include analyzing current professional research, developing research topics, designing research projects, gathering information, and in order to develop a sound research proposal and comprehending the institutional review process. Students will develop skills in providing and receiving feedback and writing feedback using various library and search resources in a focused, hands-on manner and will engage in the writing-revising process essential to the research process.

OCTH 523 Evaluation and Assessment of Occupational Performance (2)
Prerequisite: admission to the MOT program and successful completion of all coursework in the professional curriculum to this point.

This course will provide the learner with the opportunity to identify, evaluate and critically analyze the psychometric properties and application of the most useful evaluation and assessment tools by practitioners in the profession of occupational therapy. The course offers learners with information and experiences in analyzing the assessment process, the selection and design of appropriate evaluation tools to address the assessment need, pragmatic application of the tools on a human subject, interpretation of data and conceptualizing the development of intervention goals based on the evaluation results.

OCTH 524 Fundamentals of Occupational Therapy Practice Settings (2)
Prerequisite: admission to the MOT program and successful completion of all coursework in the professional curriculum to this point.

This course provides the learner with the knowledge and skills for assessment, intervention planning, provision of intervention and outcome analysis related to adolescence and adulthood dysfunction in occupational therapy practice settings. The course will focus on the provision of occupational therapy services with older adolescents and adults approximately 18–60 years of age.

OCTH 525 Emerging Practice I (4)
Prerequisite: admission to the MOT program and successful completion of all coursework in the professional curriculum to this point.

This course provides foundational concepts, knowledge and skills for emerging practices in occupational therapy. This course is the first in a series of two focusing on emerging practice. The content is organized into four units: 1) theoretical frameworks for the provision of occupational therapy services in role-emerging sites; 2) context and service environments that underlie the provision of client-centered services at role emerging sites including community supports and services; 3) methods for conducting an occupational performance needs assessment and community assessment for the development of occupational therapy services at emerging practice sites; and 4) discussion concerning selected emerging practice roles for occupational therapists as identified by the American Occupational Therapy Association.

OCTH 526 Directed Study (1–2)
Note: graded Pass/No Credit.
Prerequisite: admission to the MOT program and successful completion of all coursework in the professional curriculum to this point.

This course provides the student with a self-selected study experience under the guidance of a preceptor to demonstrate knowledge and/or skills that will enhance the students’ understanding of occupational therapy and occupational performance and provide additional experiences in building life-long learning skills.

OCTH 527 Research Project II (2)
Note: graded Pass/No Credit.
Prerequisite: admission to the MOT program and successful completion of all coursework in the professional curriculum to this point.

This course is designed as a vehicle to help occupational therapy students integrate previous learning, provide opportunities for independent research, and develop professional research skills. The course will focus on the data gathering phase of their research project. Students will be encouraged to present their research at the EWU spring Student Research and Creative Works Symposium. Note: OCTH 527 is a directed study course. Student groups will be assigned by the chair of their master’s degree committee.

OCTH 528 Directed Study (1–2)
Note: graded Pass/No Credit.
Prerequisite: admission to the MOT program and successful completion of all coursework in the professional curriculum to this point.

This course is designed as a vehicle to help occupational therapy students integrate previous learning, provide opportunities for independent research, and develop professional research skills. The course will focus on the data gathering phase of their research project. Students will be encouraged to present their research at the EWU spring Student Research and Creative Works Symposium. Note: OCTH 528 is a directed study course. Student groups will be assigned by the chair of their master’s degree committee.

OCTH 529 Directed Study (1–2)
Note: graded Pass/No Credit.
Prerequisite: admission to the MOT program and successful completion of all coursework in the professional curriculum to this point.

This course provides the student with a self-selected study experience under the guidance of a preceptor to demonstrate knowledge and/or skills that will enhance the students’ understanding of occupational therapy and occupational performance and provide additional experiences in building life-long learning skills.

OCTH 530 Occupational Performance and Mental Health (6)
Prerequisite: admission to the MOT program and successful completion of all coursework in the professional curriculum to this point.

This course provides the learner with foundational skills in the evaluation, analysis and intervention planning for children with special needs in a variety of pediatric occupational therapy practice settings. The course will focus on the provision of occupational therapy services with children. Fieldwork Level I experiences are included in the course proceedings as well as advanced practice labs.

OCTH 531 Occupational Performance and Children (6)
Prerequisite: admission to the MOT program and successful completion of all coursework in the professional curriculum to this point.

This course provides the learner with theories, knowledge and application opportunities related to evaluation, analysis and intervention planning for children with special needs in a variety of pediatric occupational therapy practice settings. The course will focus on the provision of occupational therapy services with children. Fieldwork Level I experiences are included in the course proceedings as well as advanced practice labs.

OCTH 532 Occupational Performance in Adolescents and Adults (6)
Prerequisite: admission to the MOT program and successful completion of all coursework in the professional curriculum to this point.

This course provides the learner with the knowledge and skills for assessment, intervention planning, provision of intervention and outcome analysis related to adolescence and adulthood dysfunction in occupational therapy practice settings. The course will focus on the provision of occupational therapy services with older adolescents and adults approximately 18–60 years of age.

OCTH 533 Occupational Performance and Older Adults (6)
Prerequisite: admission to the MOT program and successful completion of all coursework in the professional curriculum to this point.

This course is designed to provide the learner with an understanding of the theoretical basis and practice skills applied in the occupational therapy assessment/evaluation, intervention and consultation for persons who are aging. The course will address multiple topics related to aging including: 1) a review of the physiological and psychological aspects of typical aging and the relationship to occupational performance, 2) the development of occupational therapy evaluation and intervention skills for common health conditions affecting functional performance in the aging population and 3) the need for and emerging issues in occupational therapy geriatric practice.

OCTH 540 Health Wellness and Occupational Therapy (5)
Prerequisite: admission to the MOT program and successful completion of all coursework in the professional curriculum to this point.

This course provides an overview of occupational performance within a health promotion and disease prevention framework. Health promotion and disease prevention concepts will be discussed in relationship to a broad perspective of health and the profession of occupational therapy. Selected theoretical concepts and health promotion models will be presented and discussed.

OCTH 541 Technology and Occupational Performance (5)
Prerequisite: admission to the MOT program and successful completion of all coursework in the professional curriculum to this point.

This course is designed as a vehicle to help occupational therapy students integrate previous learning, providing opportunities for independent research, needs identification and the selection and design of both high and low technology devices to maximize client independence in their occupational performance. Additionally, the course is designed to incorporate an interdisciplinary experience with senior students from the Department of Engineering and Design when creating products and providing technology services to consumers.

OCTH 542 Administration and Organization in Occupational Therapy (5)
Prerequisite: admission to the MOT program and successful completion of all coursework in the professional curriculum to this point.

This course covers topical areas related to the development, administration and management of occupational therapy services in both traditional and emerging areas of practice. Issues such as quality management, ethics, fiscal and resource management, organizational behavior and marketing will be discussed. The course will explore the provision of services in a variety of settings and environments, examining the organization, function and programs of various health and human service organizations within the Accountability Care Act.

OCTH 543 Emerging Practice II (4)
Prerequisite: admission to the MOT program and successful completion of all coursework in the professional curriculum to this point.

This course provides foundational concepts, knowledge and skills for emerging practices in occupational therapy. This course is the second in a series of two focusing on emerging practice. The course content is organized into four units: 1) theoretical frameworks for the provision of occupational therapy services in role-emerging sites; 2) context and service environments that underlie the provision of client-centered services at role emerging sites including community supports and services; 3) methods for conducting an occupational performance needs assessment and community assessment for the development of occupational therapy services at emerging practice sites; and 4) discussion concerning selected emerging practice roles for occupational therapists as identified by the American Occupational Therapy Association.

OCTH 544 Directed Study (1–2)
Note: graded Pass/No Credit.
Prerequisite: admission to the MOT program and successful completion of all coursework in the professional curriculum to this point.

This course provides the student with a self-selected study experience under the guidance of a preceptor to demonstrate knowledge and/or skills that will enhance the students’ understanding of occupational therapy and occupational performance and provide additional experiences in building life-long learning skills.

OCTH 545 Research Project III (2)
Note: graded Pass/No Credit.
Prerequisite: admission to the MOT program and successful completion of all coursework in the professional curriculum to this point.

This is the third in a series of three small-group research projects in which the student research groups, established in OCTH 522 Fundamentals of Occupational Therapy Research, will conduct the data gathering phase of their research project. Students will be encouraged to present their research at the EWU spring Student Research and Creative Works Symposium. Note: OCTH 545 is a directed study course. Student groups will be assigned by the chair of their master’s degree committee.

OCTH 546 Directed Study (1–2)
Note: graded Pass/No Credit.
Prerequisite: admission to the MOT program and successful completion of all coursework in the professional curriculum to this point.

This course provides the student with a self-selected study experience under the guidance of a preceptor to demonstrate knowledge and/or skills that will enhance the students’ understanding of occupational therapy and occupational performance and provide additional experiences in building life-long learning skills.

OCTH 547 Directed Study (1–2)
Note: graded Pass/No Credit.
Prerequisite: admission to the MOT program and successful completion of all coursework in the professional curriculum to this point.

This course provides the student with a self-selected study experience under the guidance of a preceptor to demonstrate knowledge and/or skills that will enhance the students’ understanding of occupational therapy and occupational performance and provide additional experiences in building life-long learning skills.
OCTH 695 Occupational Therapy Fieldwork Level II Education (6 or 12)

Note: graded Pass/No Credit.
Prerequisite: admission to the MOT program and successful completion of all coursework in the professional curriculum to this point.

This experience is done either on a part-time (20 hours per week for 12 months) or full-time basis (40 hours per week for six months). The advanced internship experience is conducted at a clinical and/or community site in which treatment for persons of all ages with physical dysfunction, behavioral and/or mental health disorders affecting occupational performance occurs. The student must complete two quarters (24 weeks or 960 hours) of Fieldwork Level II within 24 months of completing their professional OT academic program before graduating. The student may elect to enroll in one or two additional quarters of FW II for further experience in an area of special interest. Upon successful completion of the required FW II experience and graduation with a Master of Occupational Therapy Degree (MOT), the student will be eligible to sit for the National Certification Examination for the Occupational Therapist administered by the National Board for Certification in Occupational Therapy (NBCOT). Graduates must initially pass the NBCOT exam before practicing as an occupational therapist in the United States. Most states require licensure in order to practice; however, state licenses are usually based on the results of the NBCOT Certification Examination. A felony conviction may affect a graduate's ability to sit for the NBCOT Certification Examination or attain state licensure.

A new idea comes suddenly and in a rather intuitive way. But intuition is nothing but the outcome of earlier intellectual experience. Albert Einstein (1879–1955)
## Undergraduate Program

The Philosophy Program offers general interest courses that deal with our philosophical heritage and contemporary thought, and a minor in philosophy that encompasses some principal concerns of the discipline. It also offers a BA in Philosophy and BA in Interdisciplinary Studies (ITDS) with an option in Philosophical Studies that combines intermediate and advanced classes in logic and the history of philosophy with selected offerings from cooperating programs.

The skills learned in philosophy are useful in all academic areas. Immanuel Kant noted that philosophy teaches us to think for ourselves, so that we do not passively receive what we are told. It also encourages us to put ourselves imaginatively in the place of everyone else, so that we occupy the standpoint of universal humanity. Above all, it enjoins us to think consistently. Study of philosophy contributes to a broad, liberal education valuable for its own sake as well as a preparation for a career in some related professional, social or humanistic discipline. As an American Philosophical Association pamphlet notes, employees in the business community “want and reward many of the capacities which the study of philosophy develops: for instance, the ability to solve problems, to communicate, to organize ideas and issues, to assess pros and cons and to boil down complex data. These capacities represent transferable skills.” Logical skills are especially beneficial in conceptual professions like accounting and law.

Required courses in the following program of study may have prerequisites. Reference course descriptions section for clarification.

### Bachelor of Arts (BA)

#### Student Learning Outcomes—students will:

- critically analyze, using logic and other tools, the consistency and verifiability of their own beliefs and the beliefs of others, as well as engage in reasoned public deliberation challenging those beliefs;
- understand the main doctrines and evaluate the arguments that underpin the ancient, modern, and contemporary periods of thought;
- offer interpretations of the ideas of major philosophers by showing how they relate to perennial philosophical themes such as: visions of the good life, reality versus appearance, the roles of reason and experience, freedom and morality, etc;
- apply methods for philosophical problem solving by (a) relating theory to practice, (b) evaluating ideas in terms of both generic or universal humanity and perspectival pluralism, and (c) applying normative standards of truth, value and beauty;
- apply philosophical writing styles in writing assignments and research projects that are aimed at extending philosophical inquiry through argumentation and/or comparative studies.

### Philosophy (49 Credits)

**Note:** two years of a single high school foreign language or one year of a single foreign language at college level is required for this major.

#### Required Courses (20 credits)

- PHIL 301 Introductory Formal Logic (5)
- PHIL 320 History of Ancient Western Philosophy (5)
- PHIL 321 History of Modern Western Philosophy (5)
- PHIL 322 History of Contemporary Western Philosophy (5)
- PHIL 490 Philosophy Senior Capstone (5)

**Capstone Requirement (4–5)**

- PHIL 490 Philosophy Senior Capstone (5)

**Note:** for students who select PHIL as a second major, the capstone requirement will be met by the completion of the primary major capstone.

#### Electives (25 credits)

Select 25 credits in philosophy in consultation with a departmental advisor. No more than 15 credits may be taken in 200-level philosophy courses.

<table>
<thead>
<tr>
<th>Required program credits</th>
<th>Elective credits</th>
<th>Total minimum credits for above major</th>
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</thead>
<tbody>
<tr>
<td>24 credits</td>
<td>25 credits</td>
<td>49 credits</td>
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</table>

### Interndisciplinary Studies: Philosophical Studies (60 Credits)

**Note:** see Interndisciplinary Studies.

#### Certificate

Student Learning Outcomes—students will:

- demonstrate understanding of, and be able to apply fundamental theories in ethics, including but not limited to deontology, utilitarianism, virtue and care perspectives, feminist ethics and pragmatism;
- analyze connections between ethics and law, culture, the environment, history and public policy;
- refine and improve their own ethical perspectives in dialogue and critical writing.

### Applied Ethics and Practical Philosophy Certificate (25–30 Credits)

The Applied Ethics and Practical Philosophy Certificate Program seeks to nurture the application of ethical and philosophical ideas toward concerns in social, political, economic and cultural life. The chief goal of the program is to offer practically oriented, but philosophically based, expertise in ethics and normative theory.

The program will also provide Eastern Washington University students with the cultural understanding, ethical decision-making and critical thinking skills necessary for addressing the dilemmas faced by present and future professionals, policy makers and citizens in general. It is designed to ensure that its recipients have a command of the basic theories of moral philosophy as well as a specialized knowledge of their applications in many areas of public life, including medicine, government, law, public policy, business and education. Consequently, the curriculum includes both core courses essential to a solid foundation in moral thought and specialized courses in practical philosophy and applied ethics.

The certificate will serve as a valuable credential to professionals who require a general understanding of the area, e.g., those who serve on ethics committees or compliance boards and those who seek advanced ethics training to meet licensure demands.

#### Required Courses

Choose one of the following (5 credits):

- PHIL 212 Introduction to Ethics (5)
- PHIL 213 Moral Issues in America (5)

**Note:** students who are completing a minor in Philosophy as well as a Applied Ethics and Practical Philosophy Certificate may only count one course for each.

Choose two of the following (10 credits):

- PHIL 311 Social and Political Philosophy (5)
- PHIL 417 Women and Ethics (5)
- PHIL 445 Biomedical Ethics (5)
- PHIL 447 Environmental Ethics (5)
- PHIL 499 Directed Study (5)
<table>
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<th>MINOR</th>
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**PHILOSOPHY MINOR (20 CREDITS)**

No more than 10 credits may be taken in 200-level philosophy courses.

**Total credits for above minor** 20 credits

<table>
<thead>
<tr>
<th>PHILOSOPHY STREAMS</th>
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**Stream #1: Political Philosophy**

This stream concentrates on political philosophy and related topics. Political philosophy examines the nature of moral value, normativity and justice in practical and historical contexts. Political philosophers also evaluate classical and contemporary political institutions and suggest ways of improving the political life of our society. Students enrolled in this stream will study both the theory and practice of classical and contemporary politics.

<table>
<thead>
<tr>
<th>Elective Courses (10–15 credits)</th>
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<tbody>
<tr>
<td>Choose three of the following</td>
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<tr>
<td>AAST 424 Economics of Poverty and Disc... (5)</td>
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<td>ACCT 261 Business Law (4)</td>
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<tr>
<td>ADST 460 Law and Ethics for Addiction Pro... (4)</td>
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<tr>
<td>AGST 458 Perspectives on Death and Dying (4)</td>
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<td>CMST 351 Communicative Reasoning (5)</td>
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<td>CMST 431 Communication Law and Ethics (5)</td>
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<tr>
<td>CRIM 340 Ethics in Criminal Justice (5)</td>
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<tr>
<td>DSST 310 Disability, Culture and Society (5)</td>
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<tr>
<td>HLED 370 Personal and Community Health (4)</td>
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<tr>
<td>HUMN 415 Gay, Lesbian, Bisexual and Trans... (5)</td>
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<td>METC 456 Engineering Ethics, Contracts... (2)</td>
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<td>MGMT 424 Equity and Equality in the Workplace (3)</td>
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<td>PSYC 340 Emotion and Emotional Intelligence (5)</td>
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<tr>
<td>PSYC 381 Social Psychology (5)</td>
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<tr>
<td>SOCI 482 Identity and Power (5)</td>
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<tr>
<td>SOWK 450 Women and Social Change (4)</td>
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<tr>
<td>WMST 471 Human Rights and Women’s Rights (4)</td>
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</tbody>
</table>

**Total credits for above minor** 20 credits

**Minimum total required credits for certificate** 25 credits

**Stream #2: Philosophy of Art and Literature**

This stream concentrates on aesthetics, the philosophical study of art. Broadly construed this includes fine arts, performance arts and literature. Students enrolled in this stream will address questions like: What is art? What is beauty? How do we tell good art from bad art and can these judgments ever be objective? What is taste? What is the proper relationship between art and morality? Students of this subject will ground their inquiry in the study of particular art forms such as literature, film, theatre, music and painting.

<table>
<thead>
<tr>
<th>Elective Courses (10–15 credits)</th>
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<tbody>
<tr>
<td>Choose three of the following</td>
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<tr>
<td>AAST 424 Economics of Poverty and Disc... (5)</td>
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<td>ART 310 World Art (5)</td>
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<td>ART 311 African and African American Art History (5)</td>
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<td>ART 409 Women and Men in Contemporary Art (1)</td>
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<td>ART 415 History of Ancient Art (5)</td>
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<td>ART 420 History of Renaissance Art (5)</td>
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<td>ART 422 History of Baroque and Rococo Art (5)</td>
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<td>ART 423 Art of the 19th Century (5)</td>
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<td>ART 430 History of Modern Art (5)</td>
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<td>ART 431 History of Contemporary Art (5)</td>
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<td>ENGL 315 Topics in Literature and Culture (5)</td>
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<td>ENGL 340 Survey of British Literature I (5)</td>
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<td>ENGL 341 Survey of British Literature II (5)</td>
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<td>ENGL 342 Survey of British Literature III (5)</td>
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<td>ENGL 343 Survey of American Literature I (5)</td>
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<td>ENGL 344 Survey of American Literature II (5)</td>
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<td>ENGL 350 Shakespeare (5)</td>
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<td>ENGL 360 Language Structure and Use (5)</td>
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<td>ENGL 380 Survey of Native American Literatures (5)</td>
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<td>ENGL 381 Contemporary African American Literature (5)</td>
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<td>ENGL 382 Studies in Epic Fantasy (5)</td>
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<td>ENGL 384 Folklore (5)</td>
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<td>ENGL 385 Mythology (5)</td>
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<td>ENGL 387 Literature of the Bible (5)</td>
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<td>ENGL 389 Women, Literature and Social Change (5)</td>
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<tr>
<td>WMST 389 THT 303 Survey of Theater History (5)</td>
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<td>AAST 424 Economics of Poverty and Disc... (5)</td>
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<td>ART 415 History of Ancient Art (5)</td>
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<td>ART 422 History of Baroque and Rococo Art (5)</td>
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<td>ENGL 315 Topics in Literature and Culture (5)</td>
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**Stream #3: Philosophy and History**

This stream investigates epistemological issues regarding the nature of historical truth, how present context and the narrative urge shape our understanding of the past and the diverse philosophical influences that have produced schools of historiographical thought. Students in this concentration address the meaning of historical progress, the theoretical basis for new histories of social affairs, of women and other oppressed groups and philosophical explorations of both recurrence and change in history. All 300- and 400-level classes in History are eligible for satisfying the electives of this stream. The following classes outside of History are also eligible:

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Philosophy Courses

Terms offered: fall, winter, spring, summer (FWSU).

If no terms are indicated, check with the department of EagleNET.

PHIL 210   Critical Thinking (5) FWS
Prerequisites: successful completion of ENGL 101 and pre-university basic skills in mathematics.
Satisfies: GE CR for humanities and fine arts, list 3, philosophy and reasoning.
Logic as a tool for the analysis of informal arguments. The course develops techniques for formalizing and testing arguments from everyday life.

PHIL 211   Introductory Philosophy (5) FWSU
Prerequisites: successful completion of ENGL 101.
Satisfies: GE CR for humanities and fine arts, list 3, philosophy and reasoning.

Some traditional problems about the nature of the world and human knowledge. Typical problems concern the existence of God, personal identity and free will, the relations of minds to bodies and of perception to the external world.

PHIL 212   Introductory Ethics (5) FWSU
Prerequisites: successful completion of ENGL 101.
Satisfies: GE CR for humanities and fine arts, list 3, philosophy and reasoning.

An introduction to normative moral issues in current thought and life. Typical problems concern social justice, the relation of work to a person’s concept of himself, manipulation and indoctrination in a technological society and relationships between social success and human flourishing.

PHIL 213   Moral Issues in America (5) FWS
Prerequisites: successful completion of ENGL 101.
Satisfies: GE CR for humanities and fine arts, list 3, philosophy and reasoning.

An introduction to normative moral issues in current thought and life. Typical problems concern social justice, the relation of work to a person’s concept of himself, manipulation and indoctrination in a technological society and relationships between social success and human flourishing.

PHIL 214   Philosophical Voices and Pop Culture (5)
Prerequisite: ENGL 101.
Satisfies: cultural and gender diversity university graduation requirement.

This course is a thematic survey of several areas of basic philosophical problems. It will combine an examination of philosophical themes in media and popular culture—including fiction, television and cinema—with retrieval of under-represented, diverse voices addressing each thematic area. Themes may include, but are not restricted to: metaphysics, theory of mind and knowledge, aesthetics, ethics and social and political theory.

PHIL 420   Queer Theory (5)
Cross-listed: WMST 420.
Prerequisite: junior standing.
This course examines the emerging field of queer theory. Queer theory questions the stability of various identity categories, suggesting instead that all performances of sex, gender, and sexuality are influenced by cultural, historical and political factors.

PHIL 301   Introduction to Formal Logic (5) F
Prerequisites: successful completion of ENGL 101 and MTED 104 or placement into college-level MATH PHIL 210 suggested.
Logic as a formal deductive system. The course develops sentential logic and introduces predicate logic. It examines arguments typical of science and mathematics and covers some elementary meta theorems for sentential logic.

PHIL 311   Social and Political Philosophy (5)
Cross-listed: HONS 311.
Prerequisite: successful completion of ENGL 101.
Major political theories and analysis of arguments that attempt to justify actual or proposed political and social institutions.

PHIL 312   Philosophy of Religion (5)
Cross-listed: HONS 312.
Prerequisite: successful completion of ENGL 101.
Philosophical problems with religion and theology. Typical problems concern the existence of God, God’s relation to evil, the immortality of the soul, the meaning of religious language and the criteria for theological verification.

PHIL 320   History of Ancient Western Philosophy (5) F
Cross-listed: HONS 320.
Prerequisite: successful completion of ENGL 101.
The history of Greek philosophy from the first theories about the causes of the universe to the Socratic inquiry about how to live and to Plotinus’ theory of the soul.

PHIL 321   History of Modern Western Philosophy (5) W
Cross-listed: HONS 321.
Prerequisite: successful completion of ENGL 101.
16th–18th century European philosophy against the background of religion and science. The main theme is the relation of knowledge to reason and experience.

PHIL 322   History of Contemporary Western Philosophy (5) S
Cross-listed: HONS 322.
Prerequisite: successful completion of ENGL 101.
This course is a survey of the major European and American schools of the 19th and 20th century philosophy. Course material includes German idealism, existentialism, utilitarianism, Marxism, pragmatism, feminism, logical positivism and post-modernism.

PHIL 331   Chinese Philosophy (5)
Cross-listed: HONS 331.
Prerequisite: successful completion of ENGL 101.
Confucius’ humanistic ethics, the naturalistic philosophy of Taoism and Buddhism—especially the Zen Buddhist method of enlightenment.

PHIL 398   Seminars on Selected Topics (5)
Prerequisites: 5 credits of philosophy and successful completion of ENGL 101.

PHIL 400   Special Periods in the History of Philosophy (5)
Cross-listed: HONS 400.
Prerequisite: successful completion of ENGL 101.
Intensive study of a single major philosopher.

PHIL 411   Theory of Knowledge (5)
Prerequisites: 5 credits of philosophy and successful completion of ENGL 101.
The nature, grounds, and limits of human knowledge. Topics typical of the course are perception, memory, truth, knowledge of other minds and the relations among knowing, believing and doubting.

PHIL 417   Women and Ethics (5) W vlt
Prerequisites: at least one of the following: WMST 101 or WMST 310 or PHIL 211 or PHIL 212.
Satisfies: cultural and gender diversity university graduation requirement.
The course will begin with a brief examination of the treatment of women within traditional ethics. We will then address the views of early women philosophers, followed by a close analysis of contemporary feminist approaches to ethics.

PHIL 435   Major Authors in the History of Philosophy (5)
Cross-listed: HONS 435.
Note: repeatable for credit with different authors.
Prerequisite: successful completion of ENGL 101.
Intensive study of a single major philosopher.

PHIL 440   Women and Philosophy (5) W vlt
Cross-listed: WMST 440.
Prerequisite: at least 4 credits in WMST and/or PHIL.
The course offers an examination of the treatment of concepts relating to women and femininity, both by traditional philosophers and by more recent feminist philosophers. The course will address key issues within philosophy while simultaneously exploring the role of gender in the production of philosophical knowledge.

PHIL 445   Biomedical Ethics (5) S vlt
Prerequisite: ENGL 101.
This course is an examination of a variety of moral theories as well as professional oaths and codes of ethics in order to clarify, analyze and propose solutions to significant contemporary ethical problems in biological research and medical practice. These may include abortion, genetic research on humans, animals and crops, stem cell research, advance directives, end-of-life issues, etc.

PHIL 447   Environmental Ethics (5) S vlt
Prerequisites: PHIL 212 or PHIL 213 or permission of instructor.
This course is a study of mainstream and alternative moral theories regarding the environment, including the application of these theories towards contemporary environmental problems, such as climate change, pollution, resource depletion, species extinction and land use.

PHIL 490   Philosophy Senior Capstone (5)
Prerequisites: completion of PHIL 301, PHIL 320, PHIL 321 and PHIL 322.
Satisfies: senior capstone university graduation requirement.
In this seminar, the advanced student of philosophy consolidates and synthesizes philosophical scholarship and community-focused, practical application. Working collaboratively, instructor and students relate the theories and methods of public intellectuals and social critics across various disciplines, drawing conclusions about the nature of critical thinking, public argumentation and social change.

PHIL 499   Directed Study (5) FWSU
Prerequisites: 10 credits of philosophy and successful completion of ENGL 101; permission of the instructor, department chair and college dean.
It is the mark of an educated mind to be able to entertain a thought without accepting it.
Aristotle (384–322 BCE)
Athletic Training: Advising and Consultation

Advising and Consultation

Information for High School and Transfer Students: High school and transfer students should consult with specific program directors in the PEHR Department during their first quarter at EWU. At that time, a program can be formulated and any previous college classes evaluated for the major. As soon as students have decided to major or minor in programs offered by the department, they need to contact the PEHR Department and declare a major.

Degree Descriptions

Athletic Training: This major is designed for students who are interested in becoming certified athletic trainers. The major is designed to prepare students to sit for the Board of Certification’s national examination and to work competently in the field of Athletic Training and Sports Medicine. The major welcomes both the freshman and transfer student to apply and generally requires three years to complete. However, if specific prerequisites are met, the program can be completed within two years. Students wishing to be admitted must apply and be accepted into the Athletic Training Education Program. Students in the program will receive formal instruction and clinical practice in development of proficiencies in risk management and injury prevention, pathology of injuries and illnesses, assessment and evaluation, acute care of injury and illness, pharmacology, therapeutic modalities, therapeutic psychosocial intervention and referral, health care administration and professional development and responsibilities. Opportunities for employment exist in but are not limited to, athletic training in high schools, colleges and professional and non-professional athletic teams, sports medicine clinics, hospitals, health clubs and corporate fitness programs. Opportunities also exist in colleges and universities for those who elect to continue beyond the bachelor’s degree.

Community Health: Community Health majors are professionals who design, conduct and evaluate activities that help improve the health of all people. Placements will be in a variety of settings including public health and non-profit health agencies, worksite wellness programs, colleges and universities and government agencies. The majors are prepared to sit for the National Commission for Health Education Credentialing (CHES) examination and for graduate programs in public health, health promotion and community health education. We also offer a minor in Community Health.

Exercise Science: This major has three options and is designed for those students who are not interested in teaching but are interested in fitness and wellness management; or a graduate program in either physical therapy or occupational therapy. Graduates are prepared to work in various settings as managers of fitness programs. The options include corporate fitness, commercial fitness clubs, YMCA-YWCA or other non-commercial programs, retirement centers or hospital rehabilitation programs in cardiac rehabilitation, respiratory therapy and diabetes support. The program prepares students to pursue advanced degrees in professional programs in physical and occupational therapy, or chiropractic, as well as degrees in exercise physiology, biomechanics, motor control and learning, cardiac rehabilitation, and adult fitness. The program and coursework prepares students to pursue certification from organizations such as including ACSM, NSCA, NASM, and ACE. These certifications are widely accepted in the fitness industry.

Health and Fitness: The Health and Fitness (BAE) degree is designed for those students pursuing a teaching endorsement. Students will become certified to teach K–12 within both the health and fitness (physical education) areas. We also continue to offer a non-teaching physical education coaching minor.

Recreation: The nationally accredited Recreation program focuses on a profession that offers many challenging and varied forms of employment. Trained recreation leaders are regularly hired in positions with cities, communities, youth agencies, parks, resorts, outfitting companies, convention centers, rehabilitation medicine, correction facilities, the armed forces and much more.

The recreation curriculum is designed to aid students in developing a philosophical and practical knowledge of recreation and leisure services. Students are exposed to skill-sets and competencies that are relevant to a career in recreation, which prepares them for a ten to sixteen week professional internship.

Students may choose from a comprehensive curriculum in one of three majors: Outdoor Recreation, Recreation Management and Therapeutic Recreation, as well as minors in Recreation Management, Aquatics, Challenge Course Management and Leadership and a certificate in Challenge Course Management and Leadership.

Special Programs Information

Human Performance Laboratory: The Human Performance Laboratory located in the Physical Education Classroom Building provides state-of-the-art equipment for clinical and research experiences in the areas of athletic training, exercise physiology, motor learning, biomechanics, and health promotion conducted by faculty, graduate and undergraduate students. The lab is made available for clinical evaluations and exercise prescriptions for faculty, staff, students and the community.

Fitness Center: The University Recreation Center (URC) Fitness Center is designed to meet the health, wellness and fitness needs of the EWU campus community. The URC Fitness Center has 15,000 square feet of fitness space with a variety of fitness options available. Activity options include: strength training (3 circuits, free weights, racks, and platforms), cardio equipment (treadmills, elliptical trainers, arc trainers, steppers, bikes, ascent trainers, steppers; most with a view of a TV), and functional equipment (functional trainers, stability balls, TRX, medicine balls, BOSU). Also included are a multi-purpose gym (for basketball, volleyball, etc) and an indoor running track (1/9 mile). Fitness Instructors are always available to assist members during their workouts. To motivate and assist members in achieving their fitness goals personal training is available (for an additional fee). Each quarter the PEHR Department offers both PHED 150 Fast Fitness (2) and PHED 152 Strength/Weight Training (2) as a credit option for EWU students using the facility.

Required courses in the following programs of study may have prerequisites. Reference the course description section for clarification.

Degree Requirements for all Recreation Majors:

1. A minimum grade ≥2.50 must be obtained in each required RCLS course. If a lower grade is received, the course must be retaken;
2. A minimum cumulative GPA ≥2.50 shall be necessary in all upper- and lower-division required RCLS courses;
3. A minimum cumulative GPA ≥2.50 shall be required for all university coursework; failure to comply with the above standards will jeopardize professional internship eligibility.

Internship Requirement

Prior to interning, students must complete three major requirements:

1. Each student must complete 1500 hours of practical experience in the recreation and leisure service field, prior to qualifying for the professional internship. These 1500 hours must be from three (3) separate sources with no more than 750 hours from any one source. (Therapeutic Recreation majors have specific requirements to fulfill, as regards to the number of hours and various populations; these majors must consult with their advisor);  
2. Applications for the Professional Internship must be presented to their faculty advisor no later than May 15. (Students may register for their internship, only during the summer quarter); 
3. Each student must obtain a current Standard First Aid Card or Advanced First-Aid Card.
**BACHELOR OF ARTS (BA)**

**Student Learning Outcomes—students will:**

- demonstrate effective oral and written communication skills;
- demonstrate knowledge of and skill at research, problem solving, and critical thinking;
- demonstrate a working knowledge of technology and its various uses in the recreation profession;
- demonstrate an understanding of the history, breadth, depth, and complexity of the recreation and leisure services industry;
- demonstrate an awareness of diversity, equity, inclusion, and will demonstrate multi-cultural competence in recreation and leisure service delivery settings;
- demonstrate a working knowledge of the career and entrepreneurship opportunities available upon graduation.

**OUTDOOR RECREATION MAJOR (95 CREDITS)**

The Outdoor Recreation program qualifies individuals as outdoor leaders or resource managers for public and private organizations, including government agencies.

*Note:* two years of a single high school foreign language or one year of a single college level foreign language is required.

**Students who graduate with a BA in Outdoor Rec will:**

- demonstrate an ability to plan and lead a backcountry field trip;
- demonstrate essential skills in the areas of outdoor leadership, wilderness survival, backpacking, winter camping, mountaineering, and whitewater rafting;
- demonstrate the ability to perform in a variety of emergency situations including emergency response, wilderness first responder, and search and rescue management.

**Required Core Courses (47 credits)**

<table>
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<tr>
<td>RCLS 220</td>
<td>Leadership in Recreation and Leisure Services (3)</td>
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<tr>
<td>RCLS 240</td>
<td>Overview of Therapeutic Recreation Services (4)</td>
</tr>
<tr>
<td>RCLS 313</td>
<td>Wildland Recreation Management (3)</td>
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<tr>
<td>RCLS 325</td>
<td>Outdoor Adventure Programming (3)</td>
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<tr>
<td>RCLS 360</td>
<td>Facility Planning and Environmental Design (3)</td>
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<td>RCLS 385</td>
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<td>Evaluation, Research and Statistics in Recreation and Leisure Services (4)</td>
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<td>Employment Processes in Recreation and Leisure Services (2)</td>
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<tr>
<td>RCLS 455</td>
<td>Resort and Commercial Recreation Management (3)</td>
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<tr>
<td>RCLS 470</td>
<td>Administration, Organization and Supervision in Recreation and Leisure Services (4)</td>
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<tr>
<td>RCLS 480</td>
<td>Budgeting in Recreation and Leisure Services (4)</td>
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<tr>
<td>RCLS 490</td>
<td>Senior Capstone in Recreation (4)</td>
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<tr>
<td>RCLS 307</td>
<td>Mountaineering (3)</td>
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<tr>
<td>RCLS 310</td>
<td>Outdoor Recreation (3)</td>
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<tr>
<td>RCLS 315</td>
<td>Wilderness Survival (3)</td>
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<td>Outdoor Recreation Aquatic Programs (3)</td>
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<td>RCLS 405</td>
<td>Wilderness Upgrade for Medical Professionals (4)</td>
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<tr>
<td>RCLS 410</td>
<td>Outdoor Leadership (4)</td>
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<td>RCLS 415</td>
<td>Search and Rescue Management (4)</td>
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<tr>
<td>RCLS 494</td>
<td>Recreation Professional Internship (12)</td>
</tr>
</tbody>
</table>

**Required program credits** 47 credits

**Required supporting credits** 27 credits

**Total credits for above major** 74 credits

*Note:* must see your recreation management advisor at least once per quarter.

**BACHELOR OF ARTS (BA)**

**THERAPEUTIC RECREATION MAJOR (101 CREDITS)**

Therapeutic Recreation specialists are involved in helping individuals with disabilities learn the skills and attitudes necessary to develop a satisfying leisure lifestyle. Therapeutic Recreation is concerned with the treatment of conditions which are disabling and the facilitation of independent leisure functioning. This major offers the student a track that will allow them to be eligible to take the national certification examination. The major is nationally accredited and provides a strong educational background for the student. Graduates tend to work in hospitals, state facilities, group treatment and community-based programs in the area of rehabilitation, leisure education and community integration.

*Note:* two years of a single high school foreign language or one year of a single college level foreign language is required.

**Students who graduate with a BA in Therapeutic Rec will:**

- demonstrate, through a variety of activities, and participate in events that give a better understanding of how an individual with a disability or illness can participate in leisure activities and apply that knowledge to their internship experience;
- demonstrate skills and techniques to assist individuals in learning to cope with the effects of their disabilities or illness;
- demonstrate the knowledge base to successfully complete the NCTRC Certification practice tests to better prepare students for the National Council on Therapeutic Recreation Certification (NCTRC) exam;
- demonstrate an understanding and application of the therapeutic recreation process: assessment, program planning, implementation, and evaluation.

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<td>RCLS 240</td>
<td>Overview of Therapeutic Recreation Services (4)</td>
</tr>
<tr>
<td>RCLS 313</td>
<td>Wildland Recreation Management (3)</td>
</tr>
<tr>
<td>RCLS 325</td>
<td>Outdoor Adventure Programming (3)</td>
</tr>
<tr>
<td>RCLS 360</td>
<td>Facility Planning and Environmental Design (3)</td>
</tr>
<tr>
<td>RCLS 385</td>
<td>Programming in Recreation and Leisure Services (3)</td>
</tr>
<tr>
<td>RCLS 400</td>
<td>Legal Foundations in Recreation and Leisure Services (4)</td>
</tr>
<tr>
<td>RCLS 425</td>
<td>Evaluation, Research and Statistics in Recreation and Leisure Services (4)</td>
</tr>
<tr>
<td>RCLS 435</td>
<td>Employment Processes in Recreation and Leisure Services (2)</td>
</tr>
<tr>
<td>RCLS 455</td>
<td>Resort and Commercial Recreation Management (3)</td>
</tr>
<tr>
<td>RCLS 470</td>
<td>Administration, Organization and Supervision in Recreation and Leisure Services (4)</td>
</tr>
<tr>
<td>RCLS 480</td>
<td>Budgeting in Recreation and Leisure Services (4)</td>
</tr>
<tr>
<td>RCLS 490</td>
<td>Senior Capstone in Recreation (4)</td>
</tr>
</tbody>
</table>

**Required Supporting Courses (27 credits)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>HLED 193</td>
<td>Standard First Aid and Safety (2)</td>
</tr>
<tr>
<td>RCLS 260</td>
<td>Arts in Recreation (3)</td>
</tr>
<tr>
<td>RCLS 300</td>
<td>Publicity and Promotion in Recreation (4)</td>
</tr>
<tr>
<td>RCLS 340</td>
<td>Aquatic Facilities Management (3)</td>
</tr>
<tr>
<td>RCLS 349</td>
<td>Intramural Sport Management (3)</td>
</tr>
<tr>
<td>RCLS 495</td>
<td>Recreation Management Professional Internship (12)</td>
</tr>
</tbody>
</table>

**Required program credits** 47 credits

**Required supporting credits** 27 credits

**Total credits for above major** 74 credits

*Note:* must see your recreation management advisor at least once per quarter.

**BACHELOR OF ARTS (BA)**

**RECREATION MANAGEMENT MAJOR (74 CREDITS)**

Recreation Management is a growing and dynamic field. The tourism and recreation industry is currently listed as one of the top three business activities in the United States. There are many emphasis areas available in Recreation Management including: city/park recreation, resort/ commercial recreation, youth serving agencies, military recreation and corrections recreation.

*Note:* two years of a single high school foreign language or one year of a single college level foreign language is required.

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PHYSICAL EDUCATION, HEALTH AND RECREATION continued

RCLS 385 Programming in Recreation and Leisure Services (3)
RCLS 400 Legal Foundations in Recreation and Leisure Services (4)
RCLS 425 Evaluation, Research and Statistics in Recreation and Leisure Services (4)
or
OCTH 522 Fundamentals of Occupational Therapy Research (4)
and
OCTH 523 Evaluation and Assessment of Occupational Performance (2)
RCLS 455 Resort and Commercial Recreation Management (3)
RCLS 470 Administration, Organization and Supervision in Recreation and Leisure Services (4)
or
OCTH 542 Administration and Organization in Occupational Therapy (4)
RCLS 480 Budgeting in Recreation and Leisure Services (4)
RCLS 490 Senior Capstone in Recreation (4)

Required Supporting Courses (54 credits)
HLED 256 Medical Terminology (2)
PHED 152 Kinesiological Applications of Human Anatomy and Physiology (4)
and
PHED 549 Anatomical Kinesiology (4)
or
BIOL 232 Human Anatomy and Physiology for Non-Biology Majors (5)
BIOL 235 Human Anatomy and Physiology for Non-Biology Majors (5)
PHED 251 Motor Control and Learning (4)
PHED 365 General Methods and Procedures for Physical Education (3)
PHED 370 Sport and Culture (4)
PHED 375 Assessment in Health and Fitness (3)
PHED 452 Adapted Physical Education (4)
PHED 490 Senior Capstone in Health and Fitness (Teaching) (4)

Minimum required program credits 72–73 credits

Note: The above major takes more than 12 quarters at 15–16 credits a quarter.

Note: each student is required to complete 40 hours of professional development per year while in the health and fitness program and be a member of the EWU Health and Fitness Majors Club.

BACHELOR OF SCIENCE (BS)

ATHLETIC TRAINING MAJOR (105 CREDITS)

This major is designed for those students who are interested in becoming certified athletic trainers. The major is designed to prepare students to sit for the Board of Certification’s national examination and to work competently in the field of Athletic Training and Sports Medicine. Students must apply and be accepted into the Athletic Training Education Program (ATEP). Admission to the program is based upon evaluation of the student’s entire application, including: the academic record, signed statement of ability to meet the Program Technical Standards, GPA and completion of prerequisite courses, professional references and a written essay. Applications are due the last day of winter quarter each year. The number of applicants may exceed the number of students that can be admitted to the program each year; therefore, no assurance can be given that all applicants admitted to the university and who complete the application requirements will be admitted to the ATEP. For further information regarding the application process, please contact the PEHR Department at 509.359.2341 or refer to program website, www.ewu.edu/athletictraining. Opportunities for employment exist in but are not limited to, athletic training in high schools, colleges and professional and non-professional athletic teams; sports medicine clinics; hospitals; health clubs; and corporate fitness programs. Opportunities for those who elect to continue their education beyond the bachelor’s degree level also exist.

Degree Requirements:
1. must earn a minimum 2.0 in each required course;
2. must earn a minimum 2.5 in each Kinesiology and each Biology course;
3. must have a minimum 2.0 in all other program required courses;
4. must have a minimum cumulative GPA 2.75 for each quarter while in the program;
5. must be a member of the National Athletic Trainer’s Association;
6. failure to comply with the above standards will prohibit degree eligibility.

Student Learning Outcomes—students will:

• gain an understanding and demonstrate experience in being good citizens both in the community and in their professional organization;
• gain clinical experiences in a variety of service learning settings that will allow them to be prepared to work in the diverse opportunities found within the field of Athletic Training;
• gain the basic knowledge, understanding and skills needed to work competently as an entry level Certified Athletic Trainer.

Required Courses
ATTR 201 Introduction to Athletic Training (3)
ATTR 288 Clinical Athletic Training I (1+1+1)
ATTR 339 Athletic Training (4)
ATTR 340 Therapeutic Modalities in Sports Medicine (4)
ATTR 341 Rehabilitation in Athletic Training (4)
ATTR 350 Medications in the Health Care Professions (2)
ATTR 360 General Medical Conditions (5)
ATTR 370 Contemporary Health Issues in Athletic Training (3)
ATTR 388 Clinical Athletic Training II (1+1+1)
ATTR 428 Orthopedic Evaluation I (4)
ATTR 429 Orthopedic Evaluation II (4)
ATTR 439 Current Topics in Sports Medicine (1)(one each quarter for nine qtr)
ATTR 450 Advanced Procedures and Techniques in Athletic Training (3)
ATTR 488 Clinical Athletic Training III (2+2+2)
ATTR 490 Senior Capstone in Sports Medicine (4)
BIOL 232 Human Anatomy and Physiology for Non-Biology Majors (5)
BIOL 233 Human Anatomy and Physiology for Non-Biology Majors (5)
PHED 365 General Methods and Procedures for Physical Education (3)
PHED 370 Sport and Culture (4)
PHED 375 Assessment in Health and Fitness (3)
PHED 452 Adapted Physical Education (4)
PHED 490 Senior Capstone in Health and Fitness (Teaching) (4)

Note: current First Aid/CPR card is required for all majors.

THERAPEUTIC RECREATION: OCCUPATIONAL THERAPY

Note: see Occupational Therapy.

BACHELOR OF ARTS IN EDUCATION (BAE)

Note: see the Education Department for prerequisites, core requirements and additional SLOs.

HEALTH AND FITNESS/ELEMENTARY OR SECONDARY MAJOR (72–73 CREDITS)

Students can choose either the Elementary or the Secondary Core.

ELEMENTARY EDUCATION CORE (70 CREDITS)

This major satisfies the endorsement for preschool to grade 12.

Degree Requirements
1. must earn a minimum 2.5 in each required health and physical education course;
2. must have a minimum cumulative GPA 2.5 in all university courses.

Student Learning Outcomes—students will:

• understand health/physical education content and disciplinary concepts related to the development of a healthy/physically educated person;
• understand how individuals learn and develop, and provide opportunities that support physical, cognitive, social and emotional development;
• understand how individuals differ in their approaches to learning and create appropriate instruction adapted to these differences;
• use and have an understanding of individual and group motivation and behavior to create a safe learning environment that encourages positive social interaction, active engagement in learning, and self-motivation;
• use knowledge of effective verbal, nonverbal, and media communication techniques to enhance learning and engagement;
• understand the importance of planning developmentally appropriate instructional units to foster the development of a healthy/physically educated person.

Required Courses (72–73 credits)
HLED 195 Standard First Aid and Safety (2)
HLED 200 Admission to Health and Fitness (2)
HLED 201 Introduction to Health and Wellness (3)
HLED 250 Drugs, Society and Human Behavior (3)
HLED 365 Teaching Methods in Health (3)
HLED 370 Personal and Community Health (4)
HLED 372 Applied Nutrition and Physical Fitness (3)
HLED 376 Consumer Health (3)
HLED 475 Sex Education in Schools and Community (4)
PHED 251 Motor Control and Learning (4)
PHED 260 Sport Sciences for Coaching (Leader Level) (3)
PHED 348 Anatomical/Mechanical Kinesiology (4)
PHED 350 Physiological Kinesiology (4)
PHED 333 Group Exercise/Personal Training (3)
or
PHED 335 Strength and Conditioning PrLab (2)
PHED 336 Individual Sports (2)
PHED 337 Team Sports (2)
PHED 340 Rhythms and Games (2)
PHED 341 Elementary School Activities (2)
PHED 342 Lifelong Leisure Activities (2)
PHED 365 General Methods and Procedures for Physical Education (3)
PHED 370 Sport and Culture (4)
PHED 375 Assessment in Health and Fitness (3)
PHED 452 Adapted Physical Education (4)
PHED 490 Senior Capstone in Health and Fitness (Teaching) (4)

Note: The above major takes more than 12 quarters at 15–16 credits a quarter.

Note: each student is required to complete 40 hours of professional development per year while in the health and fitness program and be a member of the EWU Health and Fitness Majors Club.
PHYSICAL EDUCATION, HEALTH AND RECREATION

HLED 256 Medical Terminology (2)
HLED 372 Applied Nutrition and Physical Fitness (3)
PHED 335 Strength and Conditioning ProLab (2)
PHED 349 Anatomical Kinesiology (4)
PHED 350 Physiological Kinesiology (4)
PHED 352 Mechanical Kinesiology (4)
PHED 452 Adapted Physical Education (4)

Select one course from the following:
CHEM 121 Chemistry and Its Role in Society (5)
CHEM 151 General Chemistry (5)
CHEM 161 General Chemistry for the Health Sciences (5)

Total credits for above major: 105 credits

Note: must meet with your major advisor for other supporting courses.

BACHELOR OF SCIENCE (BS)

COMMUNITY HEALTH MAJOR (88–92 CREDITS)

Community health majors are professionals who design, conduct and evaluate activities that help improve the health of all people. Placements will be in a variety of settings including public health and non-profit health agencies, worksite wellness programs, colleges and universities and government agencies. The majors are prepared to sit for the Commission for Health Education Credentialing (CHES) examination and for graduate programs in public health, health promotion and community health education.

Student Learning Outcomes—students will:

• participate in an internship in which they will gain practical real world experience within the field;
• understand what factors are involved in adopting healthy behaviors and how to effectively facilitate change;
• conduct health assessments and design health promotion programs.

Degree Requirements

1. a minimum of 2.50 in each required Health Education course;
2. a cumulative GPA of 2.50 shall be necessary in all upper- and lower-division required Community Health courses;
3. a minimum of 2.0 in each of the supporting courses from Communication Studies and the Social and Behavioral Science Core;
4. a minimum cumulative GPA of 2.50 shall be required for all university coursework;
5. must meet with major advisor once each quarter;
6. failure to comply with the above standards will prohibit Professional Internship eligibility.

Required Courses (54 credits)

HLED 194 Emergency Response (3)
HLED 201 Introduction to Health and Wellness (3)
HLED 256 Medical Terminology (2)
HLED 372 Applied Nutrition and Physical Fitness (3)
HLED 375 Gerontology (3)
HLED 376 Consumer Health (3)
HLED 381 Mind/Body Spirit Health (3)
HLED 440 Health Promotion Program Planning (4)
HLED 450 Health Program Implementation and Evaluation (4)
HLED 482 Grant Writing in the Health Sciences (3)
HLED 488 Internship In Community Health (1–15)
HLED 490 Senior Capstone in Community Health (4)
RCLS 470 Administration, Organization and Supervision in Recreation and Leisure Services (4)
RCLS 300 Publicity and Promotion in Recreation (4)
or MKTG 310 Principles of Marketing (4)
RCLS 480 Budgeting in Recreation and Leisure Services (4)
or ACCT 251 Principles of Financial Accounting (5)

Choose one of the following to add to the Worksite Wellness Track.
HLED 370 Personal and Community Health (4)
HLED 374 Investigation of Disease and Illness (5)
HLED 382 International Health (3)

Required program credits
Required supporting credits
Required track credits
Minimum total credits for above major:

54 credits
17–20 credits
17–20 credits
88 credits

Note: select supporting courses in consultation with departmental advisor.

BACHELOR OF SCIENCE (BS)

EXERCISE SCIENCE MAJOR (90–105 CREDITS)

This major has three options and is designed for those students who are not interested in teaching but are interested in fitness, wellness or clinical positions; or a graduate program in occupational therapy, physical therapy or exercise physiology. To be accepted into the program students must have completed two quarters of the appropriate CHEM series for their option. For Pre-PT they must have completed CHEM 151 and CHEM 152 (or the equivalent) with a grade of 2.0 for each. For Pre-OT they must have completed CHEM 161 and CHEM 162 (or the equivalent) with a grade of 2.0 for each. For Exercise Science they must have completed CHEM 161 and CHEM 162 (or the equivalent) with a grade of 2.0 for each. The program is now a cohort with students accepted for a fall start. They may declare beginning after the 10th day spring quarter up to the 10th day of fall quarter each year if they meet the CHEM prerequisite. Graduates are prepared to work in various settings as managers of fitness programs. The options include but are not limited to corporate fitness, commercial fitness clubs, a YMCA, or other non-commercial program, retirement centers or hospital rehabilitation programs in cardiac rehabilitation, respiratory therapy and diabetes support. The program prepares students to pursue advanced degrees in professional programs in occupational and physical therapy or chiropractic as well as advanced degrees in exercise physiology, biomechanics or cardiac rehabilitation and adult fitness. The program and course work prepares students to pursue certifications from organizations including ACSM, NASM, NSCA and ACE. These certifications are widely accepted in the fitness industry.

Required Courses (31 credits)

A minimum GPA of 2.5 is required for each required course listed below.
EXSC 301 Introduction to Exercise Science (1)
EXSC 455 Research and Analysis (2)
EXSC 460 Physiology of Exercise (4)
EXSC 480 Clinical Exercise Physiology (3)
EXSC 490 Senior Capstone in Exercise Science (4)
HLED 193 Standard First Aid and Safety (2)
HLED 372 Applied Nutrition and Physical Fitness (3)
PHED 349 Anatomical Kinesiology (4)
PHED 350 Physiological Kinesiology (4)
PHED 352 Mechanical Kinesiology (4)

Required Supporting Courses (20 credits)

For Pre-PT and Pre-OT, a minimum GPA of 2.0 is required for each course listed below. The minimum GPA for Exercise Science is 2.0 for each required course listed below.
CSBS 320 Introductory Statistics for the Social Sciences (5)
BIOL 252 Human Anatomy and Physiology for Non-Biology Majors (5)
BIOL 235 Human Anatomy and Physiology for Non-Biology Majors (5)
BIOL 234 Human Anatomy and Physiology for Non-Biology Majors (5)
### PHYSICAL EDUCATION, HEALTH AND RECREATION

Select two of the following (5–6 credits)
A minimum GPA 2.0 is required for each required course listed below.
- PHED 333 Group Exercise/Personal Training (3)
- PHED 335 Strength and Conditioning ProLab (2)

Communications Elective—select one course from the following:
(4–5 credits) A minimum GPA 2.0 is required for each course listed below.
- BUED 302 Business Communication (4)
- CMST 312 Nonverbal Communication (varies)
- CMST 331 Interviewing (5)
- CMST 340 Intercultural Communication (5)
- CMST 420 Health Communication (5)

**Degree Options—choose one of the three options for the BS.**

#### EXERCISE SCIENCE OPTION (30 CREDITS)

**Required Courses** (8 credits)
A minimum GPA 2.0 is required for each required or elective course listed below.
- EXSC 488 Exercise Science Practicum (1–8)

**Required Supporting Courses** (15 credits)
A minimum GPA 2.0 is required for each course listed below.
- CHEM 161 General Chemistry for the Health Sciences (5)
- CHEM 162 Organic Chemistry for the Health Sciences (5)
- CHEM 163 Biochemistry for the Health Sciences (5)

**Required Supporting Courses** (7 credits)
A minimum GPA 2.0 is required for each course listed below.
- PHYS 131 Introductory Physics I (4)
- PHYS 132 Introductory Physics II (4)
- PHYS 133 Introductory Physics III (4)
- PHYS 151 General Chemistry (5)
- PHYS 152 General Chemistry (5)
- PHYS 153 General Chemistry (5)
- PHYS 161 Mechanical Laboratory (1)
- PHYS 162 Heat and Optics Laboratory (1)
- PHYS 163 Instrumentation Laboratory (1)
- PSYC 305 Child and Adolescent Development (4)
- PSYC 306 Adult Development (4)
- PSYC 307 Jordan's Theories of Development (4)
- PSYC 308 Life Span Development (4)

#### PRE-PHYSICAL THERAPY OPTION (43 CREDITS)

**Required Courses** (8 credits)
A minimum GPA 2.0 is required for each required or elective course listed below.
- EXSC 388 Exercise Science Practicum (1–8)

**Required Supporting Courses** (35 credits)
A minimum GPA 2.0 is required for each course listed below.
- CHEM 161 General Chemistry for the Health Sciences (5)
- CHEM 162 Organic Chemistry for the Health Sciences (5)
- CHEM 163 Biochemistry for the Health Sciences (5)
- OCTH 101 Introduction to Occupational Therapy (2)
- RCLS 125 Recreation and Leisure Services Activities (Rafting) (1)
- RCLS 340 Aquatic Facility Management (3)
- PSYC 302 Abnormal Psychology (5)

#### PRE-OCCUPATIONAL THERAPY OPTION (34 CREDITS)

**Required Courses** (8 credits)
A minimum GPA 2.0 is required for each required or elective course listed below.
- EXSC 388 Exercise Science Practicum (1–8)

**Required Supporting Courses** (26 credits)
A minimum GPA 2.0 is required for each course listed below.
- CHEM 161 General Chemistry for the Health Sciences (5)
- CHEM 162 Organic Chemistry for the Health Sciences (5)
- CHEM 163 Biochemistry for the Health Sciences (5)
- OCTH 101 Introduction to Occupational Therapy (2)
- PSYC 302 Abnormal Psychology (5)

Select one of the following (4 credits)
- PSYC 201 Life Span Development (4)
- PSYC 305 Child and Adolescent Development (4)
- PSYC 306 Adult Development (4)

**Required program credits**
- 50–62 credits

**Required track credits**
- 30–43 credits

**Minimum total credits for above major**
- 90 credits

**Note:** courses may be selected with prior approval of the major advisor.

### EXERCISE SCIENCE: MAJOR IN INTERDISCIPLINARY STUDIES LEADING TO A MASTER OF OCCUPATIONAL THERAPY (MOT)

**Note:** see Occupational Therapy.

### CERTIFICATES

**Student Learning Outcomes—students will:**
- understand experiential education and challenge course history, philosophy and foundational concepts and be able to convey those concepts to other practitioners;
- be able to model and teach appropriate facilitation skills for group ground initiatives, low and high elements including sequencing, setting participant expectations, teaching appropriate spotting skills, and managing the activity;
- exhibit an understanding of using group ground initiatives, low and high elements with varied populations including educational, military, adaptive, therapeutic, cultural and business settings;
- be able to model and teach a variety of debriefing techniques and tools to aid in effective group processing;
- learn technical skills for low and high elements including equipment use, retrieval and maintenance, various belay techniques, systems and transfers, course set-up, breakdown and inspection, rescue, knot tying and self-belayed climbing skills;
- learn to assess and manage all aspects of challenge course operations including standard operating procedures, equipment maintenance and inspection, practitioner training, personnel management, risk and emergency management, program planning and design, and challenge course policies and procedures.

### CHALLENGE COURSE MANAGEMENT AND LEADERSHIP CERTIFICATE (15 CREDITS)

The Certificate in Challenge Course Management and Leadership addresses the growing challenge education field and the need for trained practitioners within this field. The certificate curriculum closely follows the standards and guidelines developed by the leading national organizations in the challenge course industry. A student completing the certificate will gain experience, education and training that is essential as a challenge course facilitator or manager as well as acquire documented experience in order to apply toward practitioner certification. Students also attain facilitation and leadership skills beneficial in many professional leadership and management roles.

In no course required for the certificate can the student receive a grade <3.0. All courses for the certificate must be completed at EWU; transfer credits will not be accepted for certificate completion.

**Required Courses**
- RCLS 220 Leadership in Recreation and Leisure Services (3)
- RCLS 225 Challenge Course Facilitation Techniques (3)
- RCLS 321 Challenge Course Low Element Facilitation (3)
- RCLS 352 Challenge Course Technical Skills (3)
- RCLS 353 Challenge Course Advanced Technical Skills (3)

**Minimum total credits for above certificate**
- 15 credits

### MINORS

**AQUATICS MINOR (18 CREDITS)**

This minor will develop the student’s knowledge of water safety, aquatic facility management, small craft safety, scuba operations, exercise and fitness. It will utilize nationally recognized certification programs to train students in each area and equip students for employment in the field of aquatics in such diverse areas as fitness clubs, educational institutions, YMCA, YWCA, rehabilitation centers, community centers and Parks and Recreation departments.

**Required Courses** (14 credits)
- PHED 395 Water Safety Instructor's Course (3)
- PHED 394 Lifeguard Training (3)
- RCLS 340 Aquatic Facility Management (3)
- RCLS 350 Recreation Practicum (5)

**Electives** (4 credits)
- PHED 125 Scuba Diving (1)
- PHED 125 Swim Conditioning (1)
- PHED 125 Aqua Aerobics (1)
- RCLS 125 Recreation and Leisure Services Activities (Rafting) (1)
- RCLS 230 Whitewater Kayaking (2)

**Minimum total credits for above minor**
- 18 credits

### CHALLENGE COURSE MANAGEMENT AND LEADERSHIP MINOR (18 CREDITS)

The Minor in Challenge Course Management and Leadership addresses the growing challenge education field and the need for trained practitioners within this field. The certificate curriculum closely follows the standards and guidelines developed by the leading national organizations in the challenge course industry. A student completing the full certificate curriculum will gain experience, education and training that is essential as a challenge course facilitator or manager as well as acquire documented experience to apply toward practitioner certification. Students also attain facilitation and leadership skills beneficial in many professional leadership and management roles.

In no course required for the certificate can the student receive a grade <3.0. All courses for the certificate must be completed at EWU.
Required Courses
RCLS 220 Leadership in Recreation and Leisure Services (3)
RCLS 225 Challenge Course Facilitation Techniques (3)
RCLS 321 Challenge Course Low Element Facilitation (3)
RCLS 352 Challenge Course Technical Skills (3)
RCLS 355 Challenge Course Advanced Technical Skills (3)
RCLS 475 Challenge Course Management and Operation (5)

Minimum total credits for above certificate 18 credits

COACHING MINOR (24 CREDITS)

Although this is not an endorsable minor, all the courses can be applied toward meeting the state’s clock hour requirements for school coaches. In the State of Washington high school coaches must have completed 30 clock hours before the beginning of the third year in any of five standards categories (medical aspects, legal aspects, psychological/social foundations, coaching techniques and philosophy sports management/ pedagogy). Middle Level coaches must complete a coaching effectiveness training class equivalent to the NFICEP/ASEP coaching principles class before the beginning of their third year.

Required Courses
PHED 251 Motor Control and Learning (4)
PHED 259 Sport First Aid and Injury Prevention (3)
PHED 260 Sport Sciences for Coaching (Leader Level) (3)
PHED 261 Coaching Sports Technical and Tactical Skills (3)
PHED 348 Anatomical/Mechanical Kinesiology (4)
PHED 350 Physiological Kinesiology (4)
PHED 461 Sports and Exercise Psychology (3)

Minimum total credits for above minor 24 credits

COMMUNITY HEALTH MINOR (21 CREDITS)

Required Courses
HLED 250 Drugs, Society and Human Behavior (3)
HLED 370 Personal and Community Health (4)
HLED 374 Investigation of Disease and Illness (3)
HLED 375 Gerontology (4)
HLED 440 Health Promotion Program Development (4)
HLED 450 Health Promotion Program Implementation and Evaluation (4)

Total credits for above minor 21 credits

RECREATION MANAGEMENT MINOR (25 CREDITS)

Required Courses (19 credits)
RCLS 201 Recreation and Leisure in Modern Society (3)
RCLS 220 Leadership in Recreation and Leisure Services (3)
RCLS 350 Recreation Practicum (5)
RCLS 400 Legal Foundations in Recreation and Leisure Services (4)
RCLS 470 Administration, Organization and Supervision in Recreation and Leisure Services (4)

Electives in RCLS (6 credits)

Required program credits 19 credits
RCLS elective credits 6 credits
Total credits for above minor 25 credits

GRADUATE PROGRAM

MASTER OF SCIENCE IN PHYSICAL EDUCATION

Admission Requirements
The Master of Science degree in Physical Education prepares students for a diverse array of careers in areas including athletic administration, teaching and coaching, directing fitness facilities and programs in a variety of settings, and sport psychology consultation with athletic teams. Additionally, the degree is applicable to those students interested in pursuing advanced graduate studies in related areas. This program provides an opportunity for students to focus on one of two areas of specialization: Sports and Recreation Administration or Exercise Science. All students are required to take a basic core of courses and then select a specialization area. A thesis is required of Exercise Science students. The Sports and Recreation Administration specialization has the option of a thesis, research paper or written examination to complete the degree.

Prospective students should hold a related baccalaureate degree from an accredited institution. Applicants for admission to the graduate program in physical education must follow the graduate admission procedures as outlined elsewhere in this catalog. In addition, applicants must submit three professional letters of recommendation and a one to two page essay describing their professional goals and objectives. Students are admitted for fall quarter only; requests for admission in other academic quarters are discouraged.

Student Learning Outcomes—students will:

- investigate ideas and complete professional tasks as a member of a team;
- demonstrate familiarity with the scholarly publications, primary written works, professional organizations and certification/licensure requirements of their specialization;
- discuss advanced topics in their area of specialization with an appropriate level of knowledge and application of critical thinking;
- design, conduct and report scholarly work.

Basic Core Requirements and Credit Hours (27–30 credits)

Required Core
PHED 500 Introduction to Graduate Studies (1)
PHED 505 Issues and Ethics (3)
PHED 517 Survey Research (3)
PHED 518 Research Design I (3)
PHED 519 Research Methods in Physical Education (3)
Approved Electives (11–14)

Select a primary track from categories A or B (18–21 credits)

A. Exercise Science
PHED 550 Advanced Biomechanics (5)
PHED 554 Behavior Change—Theory and Practice (3)
PHED 557 Training, Planning and Periodization (3)
PHED 559 Advanced Physiology of Exercise (3)
PHED 556 Advanced Clinical Exercise Physiology (3)
PHED 600 Thesis (9)

B. Sports and Recreation Administration
PHED 507 Administration and Management in Health and Physical Education (3)
PHED 522 Risk Management: Sport and School Law (3)
PHED 524 Sports Marketing (3)
PHED 525 Facilities Planning, Operations and Management (3)
PHED 600 Thesis (9)
or PHED 601 Research Report (6)
or PHED 602 Comprehensive Preparation (2)
and PHED 695 Internship/Electives (7)

Required core credits 27–30 credits
Required primary track credits 18–21 credits

Minimum total credits for above master’s degree 48 credits

Final Comprehensive Examination Options

Before the awarding of the master’s degree, each student will successfully complete one of two options: a thesis or other research project; or a written examination.

Option A: The thesis or research project will be selected in consultation with the student’s faculty advisor. Each student shall complete an oral examination, which will focus primarily on the master’s thesis or project but which may also include questions to demonstrate competence in all areas included in the program of that student. Students will provide copies of their master’s thesis or project to the oral examination committee at least two weeks in advance of the scheduled oral examination.

Option B: The written examination is designed to test students’ competence across the breadth of their program. Over the course of the 4 hours, the student will address questions on research methods and statistics as well theory and content. The student will approach prospective committee members to ensure they are willing to provide examination questions. The examination committee will consist of three graduate faculty members: two from the Physical Education, Health and Recreation Department, one of whom will chair the committee; and a faculty member designated by the Graduate Office. If the student does not pass in their first attempt, the student may be required to take additional courses and will be permitted to take the written examination one additional time.

For option A, the final oral examination will be open to interested faculty and students and may be open to questions from non-committee members at the discretion of the committee. The final oral examination for option A will be no longer than 2 hours. With respect to option B, the examination will not be held over vacation periods or during summer quarter except by advance approval of all committee members.
**Athletic Training Courses**

**Terms offered:** fall, winter, spring, summer (FWSU).
If no terms are indicated, check with the department of EagleNET.

**ATTR 201 Introduction to Athletic Training (3)**
Prerequisite: must be a declared Athletic Training major.
The course is designed to introduce the profession of athletic training to students who are interested in pursuing athletic training as a professional career choice. 
Students will be introduced to the following areas that encompass the athletic training field: athletic training as an allied health profession, current educational requirements for national practice, emergency planning and procedures and environmental concerns.

**ATTR 202 Clinical Athletic Training (1) FWS**
Prerequisite: ATTR 201 or permission of instructor.
A course designed to provide a minimum of 1000 hours of clinical experience in a professional athletic training setting over a minimum of at least two years. The students work in an assistant capacity under the direction of a certified athletic trainer/clinical instructor. A portfolio completed by the student and checked off by the clinical instructor is used to document completion of competencies.

**ATTR 288 Clinical Athletic Training I (1) FWS**
Prerequisite: ATTR 202 or equivalent.
The course is designed to provide clinical experience in a professional athletic training setting. The student works as an assistant under the direction of a certified athletic trainer/clinical instructor. A portfolio completed by the student and checked off by the clinical instructor is used to document completion of competencies. This course should be taken three times during an academic career.

**ATTR 339 Athletic Training (4) F**
Prerequisite: ATTR 201.
The purpose of the basic Athletic Training Course is to provide participants with the fundamental aspects of Athletic Training including prevention, recognition, management and treatment of various musculoskeletal injuries. The lab portion of the class will address basic wrapping and taping techniques, as well as hands-on injury evaluation.

**ATTR 340 Therapeutic Modalities in Sports Medicine (4) W**
Prerequisite: ATTR 339 or permission of course instructor.
The course covers techniques in therapeutic exercise, thermal therapy, hydrotherapy, cryotherapy and electrical modalities. It also introduces students to psychological and physiological responses to injury.

**ATTR 341 Rehabilitation in Athletic Training (4) S**
Prerequisite: ATTR 340 or permission of course instructor.
Design and supervision of rehabilitation programs for orthopedic injuries. This will include common non-surgical and surgical joint and muscular injuries; also will consist of learning techniques in therapeutic exercise, massage, joint mobilization and proprioceptive neuromuscular facilitation.

**ATTR 350 Medications in the Health Care Professions (2) S**
This course covers usage of therapeutic medications for allied health care professionals. It explores the common medications used in the rehabilitative health professions. It also addresses the mechanisms of drug action in relation to the treatment of diseases, dosage requirements, drug interactions, side effects, legal considerations and general information and guidelines related to medication usage.

**ATTR 360 General Medical Conditions (5) F**
Prerequisite: ATTR 341 or permission of the instructor.
The course will provide students an opportunity to learn about general medical conditions of the body system. Subjects covered will include mechanism of acquisition, signs, symptoms, referral, treatment and return to participation criteria. Students will develop a framework for decision making when evaluating individuals including athletes that present with these conditions.

**ATTR 370 Contemporary Health Issues in Athletic Training (3) S**
Prerequisite: ATTR 201 or permission of instructor.
This course provides an understanding of the personal and societal health issues students encounter as a part of the profession of athletic training.

**ATTR 388 Clinical Athletic Training II (1) FWS**
Prerequisite: ATTR 288 or equivalent.
A course designed to provide a minimum of 1000 hours of clinical experience in a professional athletic training setting over a minimum of at least two years. The students work in an assistant capacity under the direction of a certified athletic trainer/clinical instructor. A portfolio, completed by the students and checked off by the clinical instructor, is used to determine completion of competencies.

**ATTR 428 Orthopedic Evaluation I (4) F**
Prerequisite: ATTR 341 or permission of course instructor.
This course will provide students an opportunity to learn and practice injury evaluation procedures used in athletic training. The course will address history taking, inspection, palpation and orthopedic evaluation as basic principles used in injury evaluation. Laboratory time will be devoted to palpation, structural assessment, neurologic assessment, range of motion assessment and strength assessment of the chest, abdomen, pelvis, hip, thigh, lower leg, ankle and foot.

**ATTR 429 Orthopedic Evaluation II (4) W**
Prerequisite: ATTR 428 or permission of course instructor.
This course involves students to learn and practice injury evaluation procedures used in athletic training. The course will address history taking, inspection, palpation and orthopedic evaluation, as basic principles used in injury evaluation. Laboratory time will be devoted to palpation, structural assessment, neurologic assessment and strength assessment of injuries involving the spine, shoulder, elbow, wrist and hand.

**ATTR 493 Current Topics in Sports Medicine (1)**
*Note:* the course is to be taken at least three times for the major.
This course incorporates current topics that are not generally taught in the athletic training curriculum. It emphasizes student participation through a group presentation.

**ATTR 495 Advanced Procedures and Techniques in Athletic Training (1) S**
Prerequisite: ATTR 428 and ATTR 429.
This course introduces students to those skills and techniques used in the practice of athletic training. This course serves as a prerequisite for all additional clinical experiences. The course content is designed to prepare students for entry-level positions in the field of athletic training. The course content includes: anatomy of the chest, abdomen, pelvis, hip, thigh, lower leg, ankle and foot.

**ATTR 488 Clinical Athletic Training III (2) FWS**
Prerequisite: ATTR 388 or permission of instructor.
This course should be taken three times during an academic career. A course designed to provide a minimum of 1000 hours of clinical experience in a professional athletic training setting over a minimum of at least two years. The students work in an assistant capacity under the direction of a certified athletic trainer/clinical instructor. A portfolio, completed by the students and checked off by the clinical instructor, is used to document completion of competencies.

**ATTR 490 Senior Capstone in Sports Medicine (4) W**
Prerequisite: senior standing.
Satisfies: senior capstone university graduation requirement.
The course is designed as the capstone for athletic training majors. It will focus on the administrative and management responsibilities required when working in the field of sports medicine including job requirements and problems faced as a professional. There will be group and individual projects and presentations related to sports medicine and athletic training, including a culminating project that will be assessed by classmates and professionals in the field.

**ATTR 499 Directed Study (1–15) FWS**
Terms offered: fall, winter, spring, summer (FWSU).
If no terms are indicated, check with the department of EagleNET.

**Exercise Science Courses**

**EXSC 301 Introduction to Exercise Science (1) F**
Prerequisite: declared exercise science major.
This course covers the basic foundations necessary for success in the Exercise Science Program and prepares students for a career or graduate school. Students are exposed to professionals from multiple career fields related to Exercise Science. Presentation include the development of a resume and cover letter, how to use the library effectively and various professional development tools. The goal of this course is to help you gain a clear understanding of your career aspirations and to help direct your studies towards those goals.

**EXSC 388 Exercise Science Practicum (1–8) FWSU**
Prerequisite: permission of the instructor.
This course is designed to assist Pre-Physical Therapy (PT) and Pre-Occupational Therapy (OT) students prepare for their application to graduate school. The pre-PT and pre-OT Exercise Science majors are required to observe and/or work under a licensed PT or OT in different settings. They will spend a minimum of 50 hours at any one location and can observe in 2–4 different locations. The experience will be documented through record of hours, and a reflection of the experience as a potential career location as a PT or OT professional at the completion of the hours.

**EXSC 395 Internship (1–8) FWSU**
Prerequisite: permission of the instructor.
This course is designed to teach the students to critically analyze the literature in the field. In addition, they will be exposed to the criteria for good research and to evaluate how well articles in the field follow that criteria.

**EXSC 460 Physiology of Exercise (4) FWS**
Prerequisites: PHED 349, 350 and 352 or permission of the instructor.
The application of physiological principles to exercise. Special attention is given to energy sources, work, power, pulmonary system, cardiorespiratory neural control systems, sex differences, hypo- and hyperbaric pressure, heat balance, body composition and the endocrine system in exercise.

**EXSC 480 Clinical Exercise Physiology (3) WS**
Prerequisites: PHED 350 or permission of the instructor.
This course presents a detailed understanding of the latest advances in the emerging field of clinical exercise physiology. The focus is on how exercise can impact onset, treatment or outcomes; i.e., diseases of the cardiovascular, endocrine and musculoskeletal systems.
**Health Education Courses**

**Terms offered:** Fall, winter, spring, summer (FWSU).

If no terms are indicated, check with the department or Eaglenet.

**HLED 115** Wellness for Life (3) FWS

Offers an overview of basic concepts of personal wellness from a holistic perspective. Explores behavior change, nutrition, physical activity, stress management, healthy relationships, environmental health, spiritual health, sexuality, drugs and alcohol and intellectual health. Students assess their own wellness and develop strategies for behavioral change.

**HLED 192** Sports Safety Training (3) FWS

The purpose of the American Red Cross Sports Safety Training course is to provide participants with the necessary skills and knowledge to help provide a safe environment for participation, recognize and treat emergency situations and understand how to apply preventative measures for health and safety of sports participants.

**HLED 193** Standard First Aid and Safety (2) FWS

The American Red Cross CPR/AED for Professional Rescuers and Health Care Providers program is to train professional-level rescuers to respond to breathing and cardiac emergencies in adults, children and infants until more advanced medical personnel take over. Students will earn the American Red Cross CPR/AED for Professional Rescuers and Health Care Providers certification good for two years from the course date.

**HLED 194** Emergency Response (3) FWS

This course provides the participant with the knowledge and skills necessary to work as a first responder. In an emergency, first responders help sustain life, reduce pain and minimize the consequences of injury or sudden illness until more advanced medical practitioners can arrive. The course content and activities will prepare participants to make appropriate decisions about where to send a patient for medical attention. The course content and activities will prepare participants to make appropriate decisions about where to send a patient for medical attention.

**HLED 199** Introduction to Health and Wellness (3) FWS

This course is designed to introduce potential majors to the Health and Wellness profession as well as describe the major’s expectations and requirements for being admitted into the program and becoming certified as a K–12 Health and Fitness instructor.

**HLED 201** Introduction to Health and Wellness (3) FWS

This course is designed to be an Introduction to Health and Wellness. Foundations are laid in nutrition, physical activity, children's fitness, stress management, substance abuse, disease and injury prevention, sexually transmitted diseases and environmental health issues, among others. In addition, skills are taught to enhance the student's ability to make health behavior changes.

**HLED 250** Drugs Society and Human Behavior (3) F

This course consists of a study of human behavior in the context of drug use, abuse and addiction. There will be discussions on the physiology of drug consumption, as well as the physical, emotional, psychological and social effects of various groups of drugs (depressants, stimulants, opiates, hallucinogens and narcotics). Prescription drugs, over the counter drugs, steroids and other supplements will also be discussed.

**HLED 256** Medical Terminology (2) FWS

This course examines the nature and function of the medical language and the building of medical words from root words, prefixes, suffixes and combining forms. This course will prepare students who are entering into medical-related fields of interest.

**HLED 293** CPR/AED Refresher Course (1) FWS

The American Red Cross CPR/AED for Professional Rescuers and Health Care Providers program is to train professional-level rescuers to respond to breathing and cardiac emergencies in adults, children and infants until more advanced medical personnel take over. Students will earn the American Red Cross CPR/AED for Professional Rescuers and Health Care Providers certification good for two years from the course date.

**HLED 299** Individual Studies (1–5)

Prerequisite: permission of the instructor, department chair and college dean.

Special studies in health education or community health. Selected topics vary according to student and faculty interest.

**HLED 365** Teaching Methods in Health (3) W

Prerequisites: HLED 200.

This course covers methods and procedures of teaching health in elementary, junior and senior high schools. It provides an opportunity for practice teaching and development of teaching units for the classroom.

**HLED 366** Women's Health Issues (4) S

Cross-listed: WMST 366.

Satisfies: cultural and gender diversity university graduation requirement.

This course will explore the unique personal and social concerns regarding women's health. Emphasis will be placed on social and health related issues that women face throughout the life cycle. Discussion will include the effect of gender stratification in the workforce, gender roles in the family unit, female dependence on the media, substance abuse, body image, pregnancy and sexuality and other issues that affect women's mental, physical and emotional health. Historical dimensions of women's health will also be explored, as well as contributions from historically noteworthy women.

**HLED 370** Personal and Community Health (4) F

This course provides an overview and introduction to basic concepts of personal and community health problems, including mental health, nutrition and weight control, diseases, physical fitness, aging, death and dying, and sex and reproduction. It also considers health fundamentals important in making health-related decisions.

**HLED 372** Applied Nutrition and Physical Fitness (3) FWS

This course is an introduction to the field of applied nutrition. The course content brings together information from areas of biochemistry, exercise physiology, nutrition, medicine and psychology. Students will apply that knowledge to understand how what we eat affects not only sport performance but also personal health.

**HLED 374** Investigation of Disease and Illness (3) F

Prerequisite: HLED 201 or permission of the instructor.

This course examines the major communicable diseases of humans with emphasis upon prevention and control and it provides an introduction to the modern scientific approach to control of communicable diseases and biostatistics.

**HLED 375** Gerontology (3) W

Prerequisite: HLED 201 or permission of the instructor.

This course examines anatomical, physiological, pathological, medical, psychological and sociological factors that impact individuals moving through the aging process. The topics discussed will include the major problems of degenerative and chronic diseases and an analysis of the physical and physiological deterioration of the body and mind.

**HLED 376** Consumer Health (3) W

Consumer health has much to do with the way we live. It deals with the selection of the products and services available in a place that have an impact on health. Discussion includes: advertising, methods of distribution, techniques of selling and methods of making positive decisions about health products and services.

**HLED 381** Mind/Body/Spirit Health (3) W

Prerequisite: HLED 201 or permission of the instructor.

The course is the study of the interaction of the mind, the body and an individual's spirituality with his/her health and wellness. Discussion topics will include stress, emotions, coping skills as well as the connection between physical health and emotional health. The field of psychoneuroimmunology will also be discussed. The course studies how understanding one's values, morals and/or purpose in life influences his/her physical and emotional health.

**HLED 382** International Health (3) F

Prerequisite: HLED 201 or permission of the instructor.

This class is a study of international health, on how it is defined and its place in global health concerns. This class will focus on major international health issues and debates on policies and practices. Also, key contemporary issues involving disease control, population health care, crisis intervention and health policies will be examined critically.
HLED 411 Emergency Response Instructor (2) FWS
Prerequisite: junior standing and HLED 194.
Teaching methods and procedures in skills as prescribed by the American Red Cross (ARC) Emergency Response Course. Those who qualify may earn the American Red Cross Emergency Response Instructor Certificate valid for three years and the American Red Cross CPR for the professional rescuer certificate valid for one year.

HLED 412 Emergency Response Instructor’s Laboratory Practicum (3) FWS
Prerequisite: HLED 194.
The most current First Aid teaching and skill techniques required by the American Red Cross will be implemented in a laboratory situation. The student will take an undergraduate level First Aid laboratory class as a student instructor. This instruction will be under supervision of a certified master teacher. Upon successful completion of all requirements the Emergency Response Instructor Certificate will be renewed for one more year.

HLED 440 Health Promotion Program Development (4) W
Prerequisite: junior standing or permission of instructor.
In this course students learn how to develop a detailed and evidence-based health promotion program using planning models. Emphasis is placed on developing and understanding: needs assessments, program rationale, mission statements, and goals. Students also explore theories and models commonly used in health promotion programs and apply these principles in a service-learning project.

HLED 450 Health Promotion Program Implementation and Evaluation (4) W
Prerequisite: HLED 440.
In this course students learn how to implement and evaluate effective health promotion programs. Emphasis is placed on implementation strategies, advocacy plans, targeted marketing strategies, program budgets and evaluation plans. Students explore effective health communication strategies and ethical guidelines established by the National Commission for Health Education Credentialing.

HLED 475 Sex Education in Schools and Community (4) W
Prerequisite: HLED 201 or permission of the instructor.
Methods and models utilized in the teaching of human sexuality in schools and community health agencies. Opportunity for practice teaching and development of teaching units.

HLED 482 Grant Writing in the Health Sciences (3) W
Prerequisite: permission of the instructor.
This class will teach students the skills necessary to write grants in the health science field. It is an applied class where the students are expected to go through the grant writing process. The skills developed will prepare the students to search and apply for funding from a variety of sources.

HLED 483 Adolescent Health Issues (3) FWS
Enables parents, teachers and professional staff to identify factors that contribute to adolescent health problems. Focuses on identifying risk factors and steps to improve adolescent health.

HLED 484 Facts About HIV/AIDS (3) FWS
Provides basic information about HIV/AIDS, covering areas of concern for lay individuals and working professionals. Students will gain knowledge about transmission and treatment of HIV/AIDS and related issues such as its relationship to children, CFR, first aid, aquatics and impact on society.

HLED 485 Managing Stress (3) FWS
Provides valuable information on how stress affects health and teaches students how to manage stress effectively.

HLED 486 Preventing Disease Transmission (5) FWS
Provides basic information on several types of infectious diseases with focus on the transmission and prevention of blood-borne pathogens. Students will learn about OSHA regulations and how to protect themselves in the workplace.

HLED 487 Time Management (3) FWS
Provides valuable time management skills for real life applications. Students select from time management options to analyze, strategize and attack their individual time management concerns.

HLED 488 Internship In Community Health (1–15) FWS
Prerequisite: permission of the instructor.
Practical experience designed primarily for community health education majors; however, all students are welcome and become members of a health-serving agency performing professional tasks along with the full-time staff of the agency. You must obtain prior approval of the department coordinator.

HLED 490 Senior Capstone in Community Health (4) W
Prerequisite: senior standing.
Satisfies senior capstone university graduation requirement.

HLED 495 Internship (1–15) FWS
Prerequisite: permission of the instructor, department chair and college dean.

HLED 496 Field Work (4) FWS
Provides the opportunity to experience limited on-the-job training within health agencies.

HLED 497 Workshops, Short Courses, Conferences (1–15) FWS
Workshops, short courses, conferences provide practical aspects of health education, conducted either during the summer or by extension. These workshops are designed for experienced teachers with interests in health education.

HLED 498 Seminar (1–5) FWS
Seminars dealing with various aspects of health and health education; designed for advanced students in para-medical sciences and/or experienced teachers.

HLED 499 Directed Study (1–15) FWS
Prerequisite: junior standing or permission of the instructor, department chair and college dean.

HLED 505 Social and Behavioral Trends in Public Health (4)
This course focuses on current trends and issues in public health in the United States. Emphasis is placed on how social determinants (individual behaviors, physical environment and economic environment) are linked to current health outcomes. The course also examines: current infectious disease control practices, health disparities and national health improvement priorities.

HLED 552 Culture, Public Health Practice and Eliminating Health Disparities (4)
This course focuses on the examination of the cultural factors that influence health outcomes. Emphasis will be placed on using targeted interventions in public health to address specific health concerns. The course will also provide an opportunity to critically examine current public health interventions for their efficacy in improving health outcomes.

### Physical Education Courses

**PHED 120 PE Activities (1) FWS**
Note: designed primarily for women.
Women’s conditioning classes for varsity sports, volleyball, tennis, basketball, soccer, track, etc.

**PHED 125 PE Activities (1) FWS**
Note: co-educational.
Aerobics, archery, aquacise, aquatic fitness, badminton, basketball, boot camp, better back program, bicycling, core training, lab, country swing dance, frisbee, fun and fitness, golf, gymnastics, jogging, karate, military conditioning, personal defense, pickelball, progressive weight training, racquetball, running, self-defense, skiing, soccer, softball, social dance, swimming, tennis, trap shooting, triathlon training, volleyball and walking. Corrective laboratory is offered for those unable to participate in regular activities because of disability.

**PHED 130 PE Activities (1) FWS**
Note: designed primarily for men.
Men’s conditioning classes for varsity sports: baseball, basketball, cross country, football, tennis and track.

**PHED 132 Kinesiological Applications of Human Anatomy and Physiology (4) FWS**
This course will provide students with an understanding of the physiological and anatomical basis of human movement. Students will be presented with examples from sports, physical activity, recreation and rehabilitation to enhance their understanding of anatomical structures, their origin insertion and function.

**PHED 135 Specialized Fitness Activities (1–15) FWS**
Includes a group of fitness-based activity classes designed to promote muscular strength and endurance, cardiovascular endurance and flexibility. Programs are developed to meet individual participants’ interests and fitness levels and activities are conducted at a variety of locations.

**PHED 150 Fast Fitness (2) FWS**
Comprehensive physical fitness course designed to develop strength, flexibility and endurance (muscular and cardiovascular) in an effective and efficient manner through use of the EWWU Fitness Center. Conditional mandatory installation and evaluation (pre-testing and post-testing) is an integral part of the program. Designed to develop baseline fitness levels for all persons with varying fitness levels. Lab.

**PHED 151 Group Exercise (2) FWS**
Group Exercise involves fitness activities done with music using cardiovascular exercise, muscular strength and endurance and flexibility exercises are used to develop the health-related components of physical fitness. Classes may include step training, aerobic kickboxing, yoga for fitness, stability ball training and muscle pump classes. Emphasis will be placed on improving fitness, having fun and learning about healthy living.
PHED 152 Strength/Weight Training (2) FW
Strength/Weight Training provides students an opportunity to develop musculoskeletal fitness based on the scientific principles of resistance training. Assistance will be given to students in developing a program designed to meet their fitness goals.

PHED 196 Experimental Course (1–5)

PHED 251 Motor Control and Learning (4) WS
This course introduces students to the processes that underlie human movement through bridging the gap between research and practice. It provides the necessary tools to build a solid foundation for assessing performance, providing effective instruction, designing practices and training experiences to optimize skill acquisition and performance.

PHED 259 Sports First Aid and Injury Prevention (3) F
This course is designed for those seeking to become coaches in high school, college and university, Olympic and competitive club-sport programs for athletes 14 years of age and older. The primary objective of this course is to introduce the coach to the importance of safety and injury prevention in sport settings.

PHED 260 Sport Sciences for Coaching (3) F
Note: PHED 200 and concurrent with PHED 365
Men’s conditioning classes for varsity sports: baseball, basketball, cross-country, football, tennis and track. A professional preparation course for coaches designed to acquaint students with basic scientific information needed in coaching.

PHED 261 Coaching Sports Technical and Tactical Skills (3) S
The course is designed for those seeking to become coaches in high school, college and university, Olympic, and competitive club-sport programs for athletes 14 years of age and older. Students will gain a solid understanding of sport-specific technical and tactical skills in order to teach these skills effectively. They will also gain valuable insight on developing practice and season plans and coaching on game day.

PHED 265 Life Skills for Athletes (3) FW
This course is equipped first or second year student-athletes with necessary skills to perform successfully in both athletics and academics while participating in a Division I–NCAA program.

PHED 278 Coaching Volleyball (3) W
Coaching techniques and strategies in volleyball.

PHED 281 Coaching Football (3) S
Coaching techniques and strategies in football.

PHED 282 Coaching Basketball (3) S
Coaching techniques and strategies in basketball.

PHED 283 Coaching Track (3) F
Coaching techniques and strategies in track.

PHED 285 Coaching Baseball/Softball (3) F
This course provides an introduction to coaching techniques and strategies in baseball and softball.

PHED 296 Experimental Course (1–5) FW
Prerequisites: permission of the instructor and the department chair.
Special studies in physical education. Selected topics vary according to student and faculty interest.

PHED 299 Individual Studies (1–5)
Prerequisite: permission of the instructor, department chair and college dean.
Study of selected problems in physical education.

PHED 301 Performance Enhancement in Sport and Physical Activity (3) FW
This course is designed to be a practical, hands-on approach to a broad range of interventions aimed at improving performance in sport and physical activity settings. The focus of the course is on key mental tools (e.g., imagery, goal-setting, relaxation techniques, self-talk) and how they can be applied to facilitate enhancement of the key mental skills such as self-confidence, concentration, controlling emotions and staying optimally motivated. The course material is designed to help all students who are interested in maximizing performance in sport or physical activity.

PHED 333 Group Exercise/Personal Training (3) FW
This comprehensive course is designed to educate potential group exercise and personal training instructors. The content will include human anatomy, anatomical and mechanical kinesiology, exercise physiology, nutrition, weight control, special populations, first aid, health screening, exercise prescription, legal duties and proper handling of emergencies. Students will also gain practical experience in group fitness class instruction and practical experience toward becoming a personal trainer. Upon completion of this course, students will be better prepared to take the ACE national group fitness and personal training certification exams and design a safe and effective class.

PHED 335 Strength and Conditioning (2) F
A professional laboratory course designed to provide the knowledge and practical experiences necessary for becoming a certified strength and conditioning professional. The focus of the course is on athletic populations.

PHED 336 Individual Sports (2) FW
Prerequisite: PHED 200 and PHED 365 or permission of the instructor.
This course is a physical education course designed to develop skills and progressive methods in teaching individual sports for effective K–12 instruction.

PHED 337 Team Sports (2) S
Prerequisite: PHED 200 and PHED 365 and concurrent with PHED 375 or permission of the instructor.
This is a physical education course designed to develop skills and progressive methods in teaching team sports for effective K–12 instruction.

PHED 340 Rhythms and Games (2) W
Prerequisite: PHED 200 or PHED 365 or permission of the instructor.
This course is designed to develop skills and progressive methods in teaching games using rhythm for effective K–12 instruction. Activities could include dance, movement experiences and games that help develop motor skills.

PHED 341 Elementary School Activities (2) W
Prerequisite: PHED 200 and concurrent with PHED 365 or permission of the instructor.
This course is designed to develop skills and progressive methods in teaching a wide range of activities appropriate for elementary physical education classes.

PHED 342 Lifelong Leisure Activities (2) F
Prerequisite: PHED 200
This course is designed to develop skills and progressive methods in teaching lifelong leisure activities for effective K–12 instruction. Activities such as road and mountain bicycling, rock climbing, hiking-camping, canoeing, golf, cross-country skiing, orienteering and adventure ropes may be included.

PHED 343 Wellness and Fitness (2) WS
Prerequisite: PHED 367 or permission of the instructor.
A physical education course designed to develop skills and progressive methods in teaching wellness and fitness for effective K–12 instruction.

PHED 348 Anatomical/Mechanical Kinesiology (4)
A study of the structural components of human movement, as well as the study of the laws of physics as they affect human movement. Special attention is given to the analysis of movement.

PHED 349 Anatomical Kinesiology (4) FW
A study of the structural components of human movement. Special attention is given to the analysis of movement.

PHED 350 Physiological Kinesiology (4) WS
A study of the functional components of human movements, especially the variables of flexibility, strength and endurance, the cardiovascular system and ergogenic aids.

PHED 352 Mechanical Kinesiology (4) WS
This course is designed with the mechanical principles applied to athletic movements. The information will provide a biomechanical basis for teaching and coaching physical activities. Sports skills will be analyzed and mechanical principles governing these movements will be identified. A significant amount of mathematical and quantitative calculations will be performed in this course. A final project is required.

PHED 365 General Methods and Procedures for Physical Education (3)
Prerequisites: PHED 200 and concurrent with PHED 341 or permission of the instructor.
This course is designed to introduce Health and Fitness majors to the general methods and procedures related to conducting physical education classes in elementary and secondary schools.

PHED 370 Sport and Culture (4) W
This course is the study of the interrelationships between sport and culture, including religion, politics, economics, race, arts and science.

PHED 375 Assessment in Health and Fitness (3)
Prerequisites: PHED 200 and PHED 365 and concurrent with PHED 337 or permission of the instructor.
This course covers the knowledge of commonly used health and fitness assessments in order to analyze K–12 student learning and development, as well as teaching effectiveness.

PHED 390 Health and Physical Education in the Elementary Schools (3) FW
Prerequisites: junior standing and a GPA 2.0.
Analysis of educationally sound programs and of procedures and practices in the development of basic health and physical education principles in the elementary school.

PHED 393 Water Safety Instructor’s Course (5) S
This course is designed to train students to teach the American Red Cross Learn to Swim Program. Prospective students are advised to take PHED 394 Lifeguard Training. Course is conducted to meet the requirements of the American Red Cross Instructor’s course. Certificates are awarded to those who qualify.
PHED 394  Lifeguard Training (3) W
Prerequisite: 1. Swim 500 yds. continuously, using each of the five strokes for 100 yds. each: front crawl, breaststroke and sidestroke; remaining 200 yds. student’s choice. No time requirement for this skill. 2. Submerge to a minimum of 7 ft. and retrieve a 10 pound object and return with it to the surface. No time requirement for this skill. 3. Tread water for two minutes using legs only. These skills will be evaluated at the first class session.

An nationally certified course for Eastern Washington University students designed to teach lifeguard candidates the skills and knowledge needed to prevent emergencies and respond to aquatic emergencies (Professionalism, Prevention, Aquatic Rescues, CPR for the Professional Rescuer, First-aid and Spinal Injury Management). This course certification (National American Red Cross Lifeguarding) will prepare and qualify students for aquatic employment throughout the United States.

PHED 395  Field Practicum (2) FWS
Prerequisite: permission of the instructor, department chair and college dean.

Course designed to provide a minimum of 20 hours of practicum school experience in teaching physical education or coaching. The student works in an assistant capacity under a master teacher or coach (either general or specialty level). Journal procedures are planned and evaluated with the university instructor. At least two on-site visits are made by the instructor.

PHED 396  Experimental Course (1–5) FWS
PHED 452  Adapted Physical Education (4) F
Prerequisite: junior standing or permission of the instructor.

Laws and skills required of physical educators for the inclusion of all students with physical, mental or social disabilities within a least restrictive environment.

PHED 454  Measurement and Evaluation in Health and Fitness (3) W
Prerequisite: EDUC 305 or permission of the instructor.

This course assists in developing an understanding of assessment in health and fitness. The issues addressed include the importance of assessment for health and fitness, the components of assessment currently used in health and fitness, the development of personal beliefs about assessment, the matching of assessment to educational objectives, the evaluation of practice in relation to theory and the need to reflect on action to make necessary changes.

PHED 461  Sport and Exercise Psychology (3) W
Prerequisite: junior standing.

Designed to provide physical education teachers and coaches with information about motivation, communication, stress management, mental imagery and other topics for enhancing instructor-performance relationships and for stimulating improved sport performances.

PHED 490  Senior Capstone in Health and Fitness (Teaching) (4) W
Prerequisites: PHED 365 and PHED 366 and senior standing or permission of the instructor.

Satisfies: senior capstone university graduation requirement.

This comprehensive course is specific to health and fitness knowledge, skills and practical hands-on teaching experience with variable content. Students will develop outlines and lesson plans and practice generic and specific instruction and management skills necessary for effective teaching.

PHED 495  Professional Internship (1–15) FWS
Prerequisite: Permission of the instructor, department chair and college dean. Learning Contract must be on file before the internship begins.

This course is a full-time working experience with youth in a health and/or fitness promotion program. The experience is under the direction of an health and fitness professional or a person of equivalent training. An approved CEL.

PHED 496  Experimental Course (1–5) FWS

A course in the developmental stages.

PHED 497  Workshops, Short Courses, Conferences (1–5) FWS

Workshops dealing with specific aspects of physical education are conducted either during the summer or by extension.

PHED 498  Seminar (1–5) FWS

PHED 499  Directed Study (1–15) FWS
Prerequisites: junior standing or permission of the instructor, department chair and college dean.

Study of selected problems in the field of physical education.

PHED 500  Introduction to Graduate Studies (1) F
Note: graded Pass/No Credit.

The purpose of this class is to introduce students to Eastern Washington University (EWU) and the Physical Education, Health and Recreation (PEHR) graduate school programs.

PHED 505  Current Issues and Ethics (3) F
This course is designed to prepare graduate students to make decisions based on the professional ethics and standards of practice.

PHED 506  Socio-cultural Studies in Physical Activity (3) F

An examination of the nature and place of physical activity in American life. Emphasis will be allowing graduate students an opportunity to analyze the interrelationship between sport and physical activity with institutions, social systems and culture. Historical and sociological understandings of the importance of physical activity in culture, including sport, physical education, exercise science and health issues will be explored.

PHED 507  Administration and Management in Health and Physical Education (3) S
This course involves the planning, financing, designing, managing and administering of health, physical education, recreation and athletic facilities and programs.

PHED 508  Psychological Behavior in Sport (3) S
Prerequisite: general psychology course.

An examination of individuals participating in play, game, sport and competitive behavior.

PHED 509  Advanced Pedagogy in Physical Education (3) S
Prerequisite: graduate standing.

A course detailing methods and procedures to teaching physical education classes and coaching athletic teams at all educational levels. The strong focus on advanced technology and methodology emphasizes that proper teaching/coaching procedures and techniques be employed in the instructional process, while allowing varying and personal teaching styles and attitudes to surface.

PHED 510  Advanced Motor Control and Learning (3) W

Provides the student with a comprehensive understanding of how physical movements are controlled and learned. Such an understanding is practical importance to teachers and coaches of physical performers.

PHED 511  Applied Sport Psychology (3) F
Prerequisite: PHED 508.

Provides comprehensive overview of applied educational strategies and techniques in sport and exercise psychology. Techniques such as imagery, goal setting, self-talk, PRF and autogenics will be discussed as a means to achieve a prospective level of motivation, emotional control, self-confidence and concentration.

PHED 512  Motivation in Sport and Exercise (3) F

This class is designed to assist physical educators, coaches, recreation specialists and others interested in sport motivation. Students will be introduced to a broad range of theoretical and applied motivational questions, including investigation of major motivational theories and paradigms, identification of primary motivational antecedents and consequences, as well as discussions on important measurement issues comparing the effectiveness of the most influential intervention strategies for enhancing motivation and applying the motivational theory to answering critical applied motivational questions in sport and exercise.

PHED 517  Survey Research (3) F

The primary purpose of this course is to provide the student with a framework for the systematic evaluation of Physical Education, Exercise Science and Recreation programs, services, facilities and administrative functions as well as a basic understanding of the creation, implementation and descriptive statistical analysis of survey research.

PHED 518  Review of Literature (3) W
Prerequisite: PHED 505 or permission of instructor.

Review of research literature to assist the student in identifying areas of research in their discipline.

PHED 519  Statistics in Physical Education (3) W
Prerequisite: grades 2.0 or in any of the following upper division courses (excluding): BADM 503, BADM 561, CSBS 320, DSCI 494, DSCI 499, MATH 380, MATH 386, MATH 485, MATH 486, PHYS 314, PSYC 522, PSYC 532.

Application, analysis and manipulation of datasets drawn from research in physical education using SPSS and SAS.

PHED 520  Research Methods in Physical Education (3) S
Prerequisites: PHED 518 and PHED 519 or permission of the instructor.

Study of the methods and techniques of research in physical education; practice in application to problems of current interest.

PHED 521  History and Philosophy in Sport and Physical Activity (3) S
This course is an examination of historical and philosophical issues pertaining to sport and physical activity as it relates to global culture. Topics will include ethics, sportmanship, gamesmanship, play and cultural influences of sport and physical activity from a historical and philosophical framework.

PHED 522  Risk Management: Sport and School Law (3) W
This course is a study of legal issues as they relate to athletic administrators, coaches, teachers and sport management personnel in the sporting realm. Students will examine and discuss current legal standards, issues and risk management theories utilizing case law studies, which will provide an understanding of the responsibilities and working knowledge of the law.

PHED 523  Program Promotion and Advocacy (3) W

This course is designed to assist students in developing or enhancing their promotional efforts in advocating for their selected program. If you are currently engaged in implementing promotional activities, this class will provide you with an opportunity to enhance your efforts. If you intend to start a promotional project, this class will kick-start you.
PHED 524  Sports Marketing (3) F
This course is a study of sports marketing theories from experience and research, which provides an examination of marketing strategies, plan development, sporting organizational needs and goals, in both the public and private sector of sports business. Students will also reflect upon the influence of licenses, sponsorships, promotions, advertising, broadcasting and sales in the sporting world.

PHED 525  Facilities Planning, Operations and Management (3) F
This course is designed to provide students with a framework for understanding various aspects of facilities in sport and recreation including: planning, management, design, scheduling and operations.

PHED 550  Advanced Biomechanics (3) F
An examination of the mechanical aspects of human movement with an emphasis placed on descriptive and causal analysis. Students will perform laboratory projects using force plates, digitization of movement and electromyography. Undergraduate experience in physics or biomechanics is expected to enroll in this course.

PHED 554  Behavior Change–Theory and Practice (3) S
This course will provide an overview of various models and theories of behavior change as they relate to wellness. Emphasis will be placed on applying theoretical concepts to facilitate the behavior change process among individuals and groups using a positive psychology approach.

PHED 555  Advanced Physiology of Exercise (3) F
The physiological effects of muscular exercise, physical conditioning and training along with the significance of these effects on health and physical performance will be discussed. Students are expected to possess a background in undergraduate anatomy and physiology as well as a course in exercise physiology to enroll in this course. Check with your advisor if you are unsure about your preparation for this course.

PHED 556  Advanced Clinical Exercise Physiology (3) S
The focus of this course will follow the requirements for the American College of Sports Medicine (ACSM) Registered Clinical Exercise Physiologist (RCEP) certification. The content will include how exercise impacts a variety of clinical conditions including cardiovascular, pulmonary, metabolic, orthopedic, musculoskeletal, neuromuscular and immunologic/hematologic systems.

PHED 557  Training, Planning and Periodization (3) S
The content of this course will cover classical and modern theories of periodization as a means of maximizing performance in sport. Planning sports training in terms of the physical, technical, tactical, psychological and theoretical domains will be discussed in depth from the career level to the individual training lesson.

PHED 596  Experimental Course (1–6)

PHED 597  Workshops (1–9)
Note: only one workshop course for up to 3 credits may be used to fulfill graduate degree requirements.

PHED 598  Seminar (1–6)
Seminars dealing with special aspects of physical education

PHED 599  Independent Study (1–6) FWS
Prerequisite: permission of the instructor, department chair and college dean.

PHED 600  Thesis (1–9) FWS
Prerequisite: permission of the instructor, department chair and college dean.

PHED 601  Research Report (1–6) FWS
Prerequisite: permission of the instructor, department chair and college dean.

PHED 602  Comprehensive Preparation (2) FSW
Directed course of reading and study under the direction of a faculty member serving on the students comprehensive examination committee.

PHED 695  Internship (1–15) FWS
Prerequisite: graduate standing in the MS in PE program and cumulative GPA ≥ 3.0; permission of the instructor, department chair and college dean.

The purpose of this course is to gain professional experience in the student’s chosen career path under the guidance of a professional currently employed in the field. A wide variety of internship experiences are available including teaching, administration, marketing, research and professional writing.

PHED 696  College Teaching Internship (1–15) FWS
Teaching a lower-division college course under supervision of a regular faculty member. Includes course planning, arranging bibliographical and instructional aids, conferences with students, experience in classroom instruction, completion of a departmental project and student course evaluation.

PHED 697  College Teaching Seminar (1–15) FWS
Prerequisite: PHED 696.

Recreation and Leisure Services Courses

Terms offered: fall, winter, spring or alternate years (FWSU alt). If no term is indicated, check with the department or EagleNET.

RCLS 125  Recreation and Leisure Services Activities (1) FWS
Note: Backpaking, basic rock climbing, scuba diving, skiing (cross country), canoeing and rafting.

RCLS 201  Recreation and Leisure in Modern Society (3) FWS
An introduction and orientation to the professional opportunities, areas, requirements and responsibilities involved in the professional preparation of recreation and leisure services administrators. Includes basic principles and trends influencing the status of recreation and leisure in our contemporary society. Covers history, definitions and professional organizations.

RCLS 206  Wilderness Backpacking (3) F
An introduction to techniques and procedures of living and traveling in a wilderness environment. Special attention is given to modern conservation practices for using and preserving wilderness. Includes two weekend field experiences.

RCLS 220  Leadership in Recreation and Leisure Services (3) FS
Emphasis on the elements of leadership in the recreation setting. Designed to help provide ideas on how to lead programs so they fit participant needs. Fieldwork is part of the requirement.

RCLS 225  Challenge Course Facilitation Techniques (3) WU
Prerequisites: RCLS 220.
This course teaches advanced leadership and facilitation skills for group initiatives and team building activities. This course covers topics that are vital to the framework for developing team building and group facilitation programs and sessions. Topics discussed include selection of appropriate challenge activities to meet the needs of a specific group, understanding group dynamics, group goal setting and assessment, sequencing, framing, debriefing techniques and leadership considerations for individual and co-leader facilitation. Fieldwork is part of the course requirements.

RCLS 230  Whitewater Kayaking (2) F
This course is designed to instruct paddlers in whitewater kayaking techniques. The course will emphasize the essential skills needed for paddling moderately difficult rivers. The basic kayaking skills that are taught in the course include: paddle strokes, boat control and basic whitewater safety information.

RCLS 240  Overview of Therapeutic Recreation Services (4) FS
This course focuses on understanding the basic problems, needs and strengths of all disability groups in relation to developing and implementing a therapeutic recreation program.

RCLS 245  Therapeutic Recreation for People with Disabilities (3) W
Deals with basic information necessary for you to identify, define and describe major physical disabilities including their implications for therapeutic recreation programming.

RCLS 250  Camp Administration and Leadership (3) W
This course covers the philosophy, objectives, planning and operation of camps. It also provides an overview of counselors' responsibilities, programming, marketing, health and safety, as well as individual and group guidance techniques and trends.
RCLS 260 Arts in Recreation (3) FS
This course presents several media of art, i.e., mask making, music and physical movement and delves into the historical and cultural interpretations of each medium. Hands on application with practice with the medium follows, accompanied by teaching guidelines and discussion of adaptations for various populations.

RCLS 300 Publicity and Promotion in Recreation (4) S
Provides skills, techniques and ideas for designing visual aids, working with the media and developing a five-step promotion package for recreation and leisure service agencies.

RCLS 305 Winter Camping (3) W
Prerequisite: RCLS 206 or permission of the instructor.
Introduction to winter camping and modes of over-snow travel and camping techniques across-country skiing. Emphasizes skill development in winter camping techniques, natural shelter construction and equipment familiarization, supported through field experiences.

RCLS 307 Mountaineering (3) Prerequisite: RCLS 305 or permission of the instructor.
Designed to provide a comprehensive program of basic mountaineering. Intensive consideration given to snow and glacier travel as well as other skills necessary for safe Alpine mountaineering. Includes two weekend field trips.

RCLS 310 Outdoor Recreation (3) W
This course will examine the broad spectrum of outdoor recreation. The course materials are designed to explore the following aspects of outdoor recreation agencies affecting the management of outdoor recreation experiences: concepts of wilderness and wilderness management; a review of the pertinent issues related to those who work in the field. Responding to the challenges of building a career in the field of outdoor recreation, the focus of this course will be in designing, planning, interpreting and transferring outdoor recreation experiences. This course will rely on motivation of critical reading, creative thinking, exploratory writing and group participation to enable the student to broaden her or his understanding of the expansive domain of the outdoor recreation industry.

RCLS 313 Wildland Recreation Management (3) S
Prerequisite: RCLS 201.
This course is designed to provide an overview of wildland recreation history, principles, practices and contemporary issues. An additional emphasis of the course is to expose students to the seven principles that guide the mission of the Leave No Trace Center for Outdoor Ethics.

RCLS 315 Wilderness Survival (3) Provides basic life support skills and information to help you predict and prepare for the types of emergencies you are likely to encounter in a particular geographic location. Course includes an overnight encounter with limited supplies.

RCLS 321 Challenge Course Low Element Facilitation (3) FS
Prerequisite: RCLS 220.
In this course students will learn proper facilitation skills for spotted activities and low challenge course elements. Topics discussed include: program safety, standard operating practices and procedures, assessing the physical, human and social environment to improve participant safety and program effectiveness, various spotting techniques, conducting low element inspections, equipment maintenance and risk management for low challenge courses. Students will be introduced to current challenge course standards and low challenge course elements. Course requirements include hands-on experience and spotting at low height.

RCLS 325 Outdoor Adventure Programming (5) FS
A survey of outdoor adventure education programs. Includes historical development and future trends as well as methods of initiating outdoor adventure education within a curriculum or program.

RCLS 330 Intermediate Whitewater Kayaking (2) Note: Further instruction and development is advised upon the completion of this course. The ACA recommends completing an advanced whitewater kayaking class as the next step in the student progression. See the instructors of this class or go to www.ACA.org for more information.
Prerequisite: permission of instructor.
The course is best suited for paddlers who have continued to develop their kayaking skills and experience in the whitewater environment, including the ability to reliably roll a capszied boat in Class II whitewater. The intermediate kayaking skills and information taught in this course emphasize developing good judgment and decision-making skills; group management; developing an ethic of environmental stewardship; intermediate paddling techniques and mechanics; the presentation of on-water scenarios to assess risk, evaluate rapid features, and develop strategies; and the principles of safety and rescue for individuals and groups.

RCLS 340 Aquatic Facilities Management (3) S
Emphasis on pool, beach and lake properties concerning operation, administration, maintenance, supervision, trends, water chemistry, health and safety, public relations and other aquatic topics.

RCLS 349 Intramural Sport Management (3) F
Intramural programming, along with officiating methods, trends and scheduling. Officiating covers all major sports. ACEP program included.

RCLS 350 Recreation Practicum (5) FWS
Prerequisite: RCLS 375.
Direct observation and on-the-job participation in the programming and operation of recreation programs within the local recreational community to enhance your programming, scheduling and leadership techniques under a supervised situation.

RCLS 351 Field Practicum (1–15) FWS
Involves the practical application of theoretical concepts and recreation-related skills in a recreation and leisure services organization. Requires three (3) hours of work, per week, for every credit assigned, i.e.: one credit equals thirty hours of work over a ten-week period. Students must document their work in accordance with PEHR Department policies.

RCLS 352 Challenge Course Technical Skills (3) SU
Prerequisite: RCLS 220.
In this course students will learn proper technical and facilitation skills for high challenge course elements. Students will be introduced to current challenge course industry standards for challenge course installation, inspection, operations and certification. Topics discussed include equipment, spotting techniques, belay techniques and systems, knot tying skills, challenge course set-up and breakdown, challenge course terminology, proper safety guidelines and risk management. Course requirements include hands-on experience and climbing at height.

RCLS 353 Challenge Course Advanced Technical Skills (3) S
Prerequisite: RCLS 352.
In this course students will expand their technical skills for both low and high challenge course elements. Current challenge course industry standards for high challenge course installation, inspection, operations and certification will be emphasized and reviewed. Topics discussed include emergency management including executing high course rescue techniques, understanding critical applications and climbing in a leading edge environment, learning advanced belay systems and descending techniques and developing technical teaching skills for the challenge course environment. Course requirements include hands-on experience and climbing at height.

RCLS 360 Facility Planning and Environmental Design (3) W
Prerequisite: RCLS 201 and junior standing or permission of the instructor.
Design and trends in recreation facilities, as well as knowing environmental design techniques, environmental impact statements and inter-agency cooperation. Field work is part of the requirement.

RCLS 365 Skiing for the Handicapped (2) W
This course is designed to acquaint you with current alpine teaching progressions and their applications to skiing for the handicapped. You are assigned a handicapped skier to work with during the quarter.

RCLS 370 Outdoor Recreation Aquatic Programs (3) S
Prerequisites: RCLS 253, RCLS 254, RCLS 255.
An overview of major outdoor aquatic adventures such as river rafting and kayaking. Emphasis placed on developing a fundamental awareness of skills necessary in each activity in addition to logistical and business aspects of conducting excursions.

RCLS 375 Intermediate Whitewater Rafting Technique (4) S
Prerequisite: RCLS 125 Rafting.
The course focuses on intermediate rafting techniques and the development of leadership procedures in paddle rafts. River skills and guide competencies will be developed through hands-on experience. Emphasis will be placed on good decision making and safety concerns for rafting on fast flowing Class III and IV whitewater. Leadership skills will be developed by students learning to be river guides and maneuvering heavy rafts on the most difficult whitewater section of the Spokane River. A three-day field trip is required.

RCLS 385 Programming in Recreation and Leisure Services (3) FW
Prerequisite: RCLS 220.
This course presents steps to programming within the role and structure of public and private recreation services. Special focus is placed on determining participant needs and values, brainstorming, selection and implementation of ideas, evaluation techniques and volunteer recognition and retention. Fieldwork is part of the requirement.

RCLS 395 Internship (CEL) (1–15) FWS
Prerequisite: permission of the instructor, department chair and college dean.
An opportunity to gain field experience with various recreation and leisure service agencies.

RCLS 400 Legal Foundations in Recreation and Leisure Services (4) W
Prerequisite: RCLS 201 and 220 or permission of the instructor.
This course includes the major considerations necessary to comply with legal safeguards in the leisure service profession.
RCLS 405 Wilderness Upgrade for Medical Professionals (4) F
Prerequisite: RCLS 245 or permission of the instructor.
This course will provide the necessary skills to assist an injured or ill person in a wilderness environment where advanced medical help is delayed by time, terrain, weather or distance. The focus of this course is on the acquisition of skills and knowledge to be able to assess a victim’s condition, make an appropriate decision regarding treatment, use available techniques to provide and improve the necessary supplies or equipment to manage the patient’s condition and implement a plan for evacuation.

RCLS 410 Outdoor Leadership (4) F
Prerequisites: RCLS 201 and 220 and junior standing or permission of the instructor.
A culmination of the outdoor recreation and skill-oriented courses with an emphasis on the concepts of outdoor leadership. Offers opportunities in group dynamics, program planning. Objective is to foster necessary studies and leadership skills related to adventure in outdoor recreation through field experiences. Includes two weekend field trips.

RCLS 415 Search and Rescue Management (4) W
Prerequisite: junior standing or permission of the instructor.
A practical approach to learning search and rescue techniques and management. Emphasis on search and rescue techniques and related administrative procedures. A variety of resource specialists will present portions of the course.

RCLS 420 Program Planning and Evaluation in Therapeutic Recreation (4–5) W
Prerequisites: RCLS 245, PHED 132 or BIOL 232; senior standing or permission of the instructor.
The purpose of this course is to suggest various activities which may be used in rehabilitating the disabled. The selection of activities is made using a social-behavior skill factor analysis of the activity lab.

RCLS 425 Evaluation, Research and Statistics in Recreation and Leisure Services (4) S
Prerequisite: RCLS 385 and junior standing or permission of the instructor.
Covers basic methods of personnel and program components. Methods of sampling and survey techniques are addressed as they relate to recreation and leisure services.

RCLS 435 Employment Processes in Recreation and Leisure Services (2) S
Prerequisite: RCLS 220 and senior standing.
Designed to introduce the recreation student to the employment process: recruiting, application and résumé screening, interviewing, checking of references, hiring, on-the-job training and probationary period.

RCLS 440 Professional Issues in Therapeutic Recreation (4) F
Prerequisite: RCLS 240, junior standing.
Course keeps you informed of the constant changes and developments in the therapeutic recreation profession.

RCLS 445 Processes and Techniques in Therapeutic Recreation (4) S
Prerequisites: RCLS 245; PHED 132 or BIOL 232; junior or senior standing or permission of the instructor.
This course is designed to assist therapeutic recreation majors with the mastery of skills, attitudes and knowledge required for professional service in therapeutic recreation. Special attention given to the therapeutic recreation specialist as a therapist in a medical model.

RCLS 450 Assessment Techniques in Therapeutic Recreation (4) F
Prerequisite: RCLS 201; RCLS 425; PHED 132 or BIOL 232; junior or senior standing or permission of the instructor.
This course is designed to enable the Therapeutic Recreation major to develop an understanding of the process of assessment and the use of appropriate standardized tools used by the profession. A number of the most widely accepted tools will be studied in-depth.

RCLS 455 Resort and Commercial Recreation Management (3) W
Prerequisites: RCLS 201 and RCLS 385.
This course is intended to provide working management experience related to resort and commercial recreation enterprises.

RCLS 460 Supervision of Therapeutic Recreation Services (4) FWS
This class will introduce the concepts, theories and practices of effective supervision in the health and human service delivery system. Covers the essential elements of supervision that are pertinent to being an effective practicing therapeutic recreation supervisor in either a clinical setting or a community-based therapeutic recreation setting.

RCLS 465 Travel and Tourism (4) W
Prerequisites: RCLS 201 and RCLS 455 or permission of the instructor.
Explores the travel industry-past, present and future, along with government role, public policy, tourism development and career information. Contact with regional tourism professionals and discussion of needs assessment strategies are also vital components of this course.

RCLS 470 Administration, Organization and Supervision in Recreation and Leisure Services (4) FS
Prerequisite: RCLS 425 and senior standing or permission of the instructor.
Local, state and federal recreation and park programs; their organization and administration and their relationship to other social institutions; special emphasis on planning, financing and legislative provisions, governmental control, budget, personnel, departmental organization and administrative practices, especially on the local level.

RCLS 475 Challenge Course Management and Operation (3) W
Prerequisite: RCLS 455.
In this course students will learn the skills needed to properly maintain the overall operation of a challenge course program. Students will gain an understanding of current challenge course industry standards and how to implement them effectively in a challenge course program. Topics discussed include challenge course program administration and management, site specific operational polices and procedures, program philosophy, documentation, risk management, insurance, staff supervision and technical accountability of the challenge course.

RCLS 480 Budgeting in Recreation and Leisure Services (4) W
Prerequisites: RCLS 201 and RCLS 385 or permission of the instructor.
This course is designed to identify both traditional and innovative methods of financing recreation services at the public and private level along with an analysis of personal spending and budgeting procedures. A complete budget document for a selected organization will be developed.

RCLS 490 Senior Capstone in Recreation (4) W
Prerequisites: RCLS 470 and junior standing.
Satisfies: senior capstone university graduation requirement.
This course is designated as the capstone course for those students majoring in recreation and leisure services within the Department of PEHR. An end-of-program assessment will be completed for each major. The course will focus on the major issues and problems facing recreation professionals as they enter the field. Using group problem solving techniques, lecture and a research paper, the students will present and defend a position paper on an issue selected and develop a plan to an existing problem. A major focus will be for the students to further develop their understanding of the group process as it relates to being a member of a team as well as the ability to effectively use resources to develop a research paper.

RCLS 493 Therapeutic Recreation Professional Internship (12) U
Prerequisites: compliance with RCLS department’s internship requirements; permission of the instructor, department chair and college dean.
Full-time working experience in a therapeutic recreation service setting in line with your professional aspirations. Actual involvement in recreation and program planning; implementation supervision and program evaluation under professional and faculty supervision.

RCLS 494 Outdoor Recreation Professional Internship (12) U
Prerequisites: compliance with RCLS department’s internship requirements; permission of the instructor, department chair and college dean.
Full-time working experience in an outdoor recreation service setting in line with your professional aspirations. Actual involvement in recreation and program planning; implementation supervision and program evaluation under professional and faculty supervision.

RCLS 495 Recreation Management Professional Internship (12) U
Prerequisites: compliance with RCLS department’s internship requirements; permission of the instructor, department chair and college dean.
Full-time working experience in a recreation and leisure service setting in line with your professional aspirations. Actual involvement in recreation and program planning; implementation supervision and program evaluation under professional and faculty supervision.

RCLS 496 Experimental Course (1–15) FWS
RCLS 497 Workshops, Short Courses, Conferences (1–5) FWS
Periodically scheduled special workshops deal with aspects of recreation and leisure services.

RCLS 498 Seminar (1–5) FWS
Periodically scheduled special seminars deal with aspects of recreation and leisure services.

RCLS 499 Directed Study (1–15) FWS
Prerequisite: permission of the instructor, department chair and college dean.
Selected problems in the field of recreation and leisure services.
GRADUATE PROGRAMS

Student Learning Outcomes—students will:

• integrate the principles of teaching and learning in professional practice;
• respond to the changing health care environment;
• use ethical and moral principles in professional practice;
• incorporate the principles of research in physical therapy practice;
• practice physical therapy incorporating scientific knowledge and critical analysis;
• value lifelong learning through personal and professional growth.

DOCTOR OF PHYSICAL THERAPY

The curriculum is designed to prepare leaders for the profession of physical therapy whose focus of practice is to diagnose and manage movement dysfunction and enhance the physical and functional abilities of the clients they serve. The curriculum consists of 11 sequenced quarters of full-time attendance. Basic science courses and physical therapy skill courses are taught in the first academic year. A clinical internship is offered in the summer after the first academic year. In the second year clinical science courses integrate medical science knowledge through increasingly complex client scenarios. Within the clinical science courses, students address client problems in a format consistent with the five elements of patient care (examination, evaluation, diagnosis, prognosis and intervention) which are described in the Guide to Physical Therapist Practice. These elements of patient care are used to address client problems in each of the four practice patterns which include patients with musculoskeletal, neuromuscular, cardiopulmonary or integumentary disorders.

Professional seminars are embedded in the curriculum as are courses in evidence-based practice and clinical research. Students will successfully complete a comprehensive examination at the end of the second year to advance to the final three 10-week clinical internships.

Class sizes are restricted each year to ensure optimal student learning, thus enabling each student to receive comprehensive instructional and clinical experiences.

The Department of Physical Therapy is fully and unconditionally accredited by the Commission on Accreditation in Physical Therapy Education.

Admissions Requirements/Preparation

The admission process to the Doctor of Physical Therapy program is competitive. The requirements listed below are the minimum acceptable requirements to apply to the program and are not indicative of the competitive range of students generally accepted into the professional physical therapy program.

1. Qualify and apply for acceptance into Eastern Washington University Graduate Studies.
2. Complete a baccalaureate degree at an accredited institution by July 15 of the year of admission.
3. Complete the Graduate Record Examination (GRE) by December 1 of application year.
4. Complete the courses listed below, designated for the science major.
5. Please note: courses designated for nursing students, or allied health professions students, are not acceptable in lieu of the science prerequisites for science majors listed below.
6. Please note: some of these courses may require prerequisites prior to admission into the course.
7. Courses for prerequisites must be completed within seven years of admission.

Biology (Zoology) with labs to include:
1 quarter (1 semester) of Human Anatomy
1 quarter (1 semester) of Human Physiology
1 quarter (1 semester) upper division course in (300 level or above) Human or Animal Physiology (this requirement may be satisfied by a course in Exercise Physiology, offered through an Exercise Science Department).
1 quarter (1 semester) advanced course (300 level or above) of your choosing (at least 3 semester credits or 4 quarter credits) in Biology, Zoology or Exercise Science.

Recommended courses include:
Biomathematics
Cell Biology
Developmental Biology
Embryology
Kinesiology
Microbiology
Pathology

Note: classes in botany, fish and wildlife biology and ecology will not satisfy this requirement.

Chemistry with labs to include: 3 quarters (2 semesters) of Chemistry

Physics with labs to include: 3 quarters (2 semesters) of Physics

Psychology or Behavioral Science: any two courses in behavioral science including psychology, sociology or anthropology

Statistics: 1 quarter (1 semester) of Statistics

Note: a minimum grade ≥2.0 (C) is required to fulfill each course listed above for the course to be counted toward your prerequisite fulfillment.

Note: an overall prerequisite GPA ≥3.0 is required for application.

All prerequisite coursework must be completed by August 15 of the admission year.

Note: courses from other institutions with a pre-Physical Therapy or Physical Therapy title will NOT count toward meeting either prerequisite or professional degree requirements.

8. Complete a baccalaureate degree with a minimum overall cumulative GPA ≥3.0 and a minimum GPA in prerequisite courses ≥3.0, at the time of application and admission.
9. Complete a minimum of 75 hours of work/observation/volunteer experience under the supervision of a licensed physical therapist. This experience must be verified in writing by the supervising physical therapist, whose license number must appear on the verification form included with the application materials. It is strongly recommended that you maintain contact with the physical therapists who supervised your clinical experiences so that you may call upon them to verify your experiences once you have received the verification form with the application packet. Participation in at least two different types of practice settings (e.g., acute care institutions, rehabilitation centers, pediatric centers, residential facilities, nursing homes, schools, orthopedic outpatient clinics) is required, with a minimum of 30 hours in at least one of these settings. More setting variety is encouraged.
10. Have each of the following individuals complete a letter of recommendation form included in the application:
2 physical therapists
1 current or any former employer
11. Applications for admission into the Doctor of Physical Therapy Program are available on our university website or upon request from PTCAS Link: www.ptcas.org.

EWU Physical Therapy Department
270 Health Science Bldg.
310 N. Riverpoint Blvd.
Spokane, WA 99202-0002
509.838.1354
ddickerson@ewu.edu
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**Total credit hours:**
- **First Year:** 18 credits
- **Second Year:** 18 credits
- **Third Year:** 13 credits

**Three-year total credit hours:** 161 credits
Physical Therapy Courses

Terms offered: check with the department or EagleNET.

All courses in physical therapy are restricted to students accepted into the DPT program on a full-time basis.

Note: only students who have successfully completed the written comprehensive examination and who comply with the policies in the Clinical Education handbook can enroll in the third year full-time internship phase of the program.

PHTH 501 Clinical Anatomy/Physiology I (5)
Prerequisites: all courses in physical therapy are restricted to students accepted into the program.
This course is the first of three focusing on the structure of the human body and its related function. This course is designed to provide the student with an opportunity to learn anatomical structures and the functional relationships of the structures to each other. The major emphasis of this course will be on the structures contained in the upper and lower extremities. Clinical correlations will be presented relating the anatomical structures discussed to the practice of physical therapy. The course is heavily weighted toward laboratory dissection. The physiology of muscle, nerve and bone will be discussed in relation to the structure of the anatomical structures studied during the course.

PHTH 502 Clinical Anatomy/Physiology II (3)
Prerequisites: all courses in physical therapy are restricted to students accepted into the program.
This course is the second of three focusing on the structure of the human body and its related function. This course is designed to provide the student with an opportunity to learn anatomical structures and the functional relationship of the structures to each other. The major emphasis of this course will be on the structures contained in the spine. Clinical correlations will be presented relating the anatomical structures discussed to the practice of Physical Therapy. The course is heavily weighted toward laboratory dissection. Physiological function of cells and cellular components of the nervous system emphasizing integrative neurophysiology, sensory physiology and the anatomy will be discussed.

PHTH 503 Clinical Anatomy/Physiology III (3)
Prerequisites: all courses in physical therapy are restricted to students accepted into the program.
This course is the third of three focusing on the structure of the human body and its related function. This course is designed to provide the student with an opportunity to learn anatomical structures and the functional relationships of the structures to each other. The major emphasis of this course will be structures contained in the head and neck, the thoracic cavity, the abdomen and the pelvis. The physiology of the special senses of taste, smell, sight and hearing will be discussed. The physiology of the cardiovascular system including the heart and circulatory system, of the lungs and the respiratory system and of the gastrointestinal system will be discussed in relation to the function of the anatomical structures studied during the course.

PHTH 533 Functional Anatomy I (5)
Prerequisites: all courses in physical therapy are restricted to students accepted into the program.
This is the first of two courses which focus on the study of human motion with emphasis on biomechanics and functional anatomy and their relationship to the fundamental understanding of exercise concepts and musculoskeletal evaluation with application to physical therapy. Studies will include the osteokinematics, arthrokineamtics and assessment of accessory joint movements of the upper and lower extremities. Musculoskeletal evaluation will focus on manual muscle testing, goniometry and palpation of surface anatomy structures and posture with reference to the whole body.

PHTH 534 Functional Anatomy II (3)
Prerequisites: all courses in physical therapy are restricted to students accepted into the program.
This is the second of two courses which focus on the study of human motion with emphasis on biomechanics and functional anatomy and their relationship to the fundamental understanding of exercise concepts and musculoskeletal evaluation with application to musculoskeletal dysfunction. Studies will include the osteokinematics, arthrokineamtics and assessment of accessory joint movements of the spine and temporomandibular joint. Musculoskeletal evaluation of the spine and head will include the process of critical inquiry. These courses will prepare the student to become a knowledgeable consumer of research and the professional literature as it relates to the practice of physical therapy. In this course the student will develop an understanding of research design, research methods and statistical applications related to critical inquiry in physical therapy.

PHTH 535 Functional Anatomy III (3)
Prerequisites: all courses in physical therapy are restricted to students accepted into the program.
This is the third of three courses designed to introduce the student to evidence-based practice and the process of critical inquiry. These courses will prepare the student to become a knowledgeable consumer of research and the professional literature as it relates to the practice of physical therapy. In this course the student will develop an understanding of research design, research methods and statistical applications related to critical inquiry in physical therapy.

PHTH 536 Physical Therapy Practice Seminar I (2)
Prerequisites: all courses in physical therapy are restricted to students accepted into the program.
This course examines the professional role of the physical therapist, the American Physical Therapy Association, the history of the profession, Standards of Practice, the Code of Ethics, licensure issues, current issues facing the physical therapy practitioner and the law related to physical therapy.

PHTH 537 Therapeutic Exercise and Interventions (4)
Prerequisites: all courses in physical therapy are restricted to students accepted into the program.
This course includes concepts and practice with therapeutic exercise and interventions, including passive, active assistive, active and resistive range of motion, strengthening programs, stretching exercises, mobilization techniques for the extremity joints, reflex integration and gait training. Students will develop and write home programs, design exercise programs for therapeutic purposes and critically analyze interventions.

PHTH 540 Principles of Evidence-Based Practice I (1)
Cross-listed: OCTH 520.
Note: graded Pass/No Credit.
Prerequisites: all courses in physical therapy are restricted to students accepted into the program.
This is the first of three courses designed to introduce the student to evidence-based practice and the process of critical inquiry. These courses will prepare the student to become a knowledgeable consumer of research and the professional literature as it relates to the practice of physical therapy. In this course the student will develop competence in identifying, locating, retrieving, understanding and applying the principles of research to the practice of physical therapy.

PHTH 541 Principles of Evidence-Based Practice II (2)
Prerequisites: all courses in physical therapy are restricted to students accepted into the program.
This is the second of three courses designed to introduce the student to evidence-based practice and the process of critical inquiry. These courses will prepare the student to become a knowledgeable consumer of research and the professional literature as it relates to the practice of physical therapy. In this course the student will develop an understanding of research design, research methods and statistical applications related to critical inquiry in physical therapy.

PHTH 542 Principles of Evidence-Based Practice III (2)
Note: graded Pass/No Credit.
Prerequisites: all courses in physical therapy are restricted to students accepted into the program.
This is the third of three courses designed to introduce the student to evidence-based practice and the process of critical inquiry. These courses will prepare the student to become a knowledgeable consumer of research and the professional literature as it relates to the practice of physical therapy. In this course the student will develop an understanding of research design, research methods and statistical applications related to critical inquiry in physical therapy.

PHTH 546 Integumentary Therapeutics (4)
Prerequisites: all courses in physical therapy are restricted to students accepted into the program.
This course provides the student with classroom discussion and laboratory experiences on the physiological bases for and clinical applications of physical therapy interventions applied to the integumentary system. These include massage, superficial and deep heat, ultraviolet radiation, cryotherapy, aquatic therapy, hydrotherapy and basic wound management. Foundational client management skills such as positioning, draping, transfers, universal precautions and examination of vital signs are also included.

PHTH 547 Professional Development Seminar (2)
Prerequisites: all courses in physical therapy are restricted to students accepted into the program.
The purpose of this seminar is to provide students with opportunities to explore the responsibilities and behaviors expected of the physical therapist and to assess their own progress toward professional development. Included are presentations by master clinicians and group discussions with experts to explore issues of professional development.

PHTH 553 Educational Aspects of Physical Therapy (2)
Prerequisites: all courses in physical therapy are restricted to students accepted into the program.
This course will introduce the student to the role of the physical therapist as an educator. The course includes theories of teaching and learning, the importance of learning styles, behavioral objectives, evaluation of teaching, motivation and compliance and adult learners. The differences in educating multicultural patient populations will be discussed. Clinical teaching will be done in role-playing situations. Students will prepare and present a teaching unit to a community group.
PHTH 554 Diagnosis in Physical Therapy (4) 
Prerequisites: all courses in physical therapy are restricted to students accepted into the program. 
This course will introduce students to screening for referral in physical therapy practice, with particular emphasis on the patient interview process and using health history as a screening tool. The course will provide an overview of review systems and screening for disease to facilitate the students' knowledge of signs and symptoms that mimic neuromusculoskeletal conditions, and warrant referral to a primary care provider. Fundamentals of musculoskeletal imaging will be introduced relative to the screening process.

PHTH 561 Clinical Education Seminar I (1) 
Note: graded Pass/No Credit. 
Prerequisites: all courses in physical therapy are restricted to students accepted into the program. 
This is the first of six clinical education seminars. The purpose of these seminars is to prepare students for the clinical internships. Included in Clinical Education Seminar I are an introduction to the clinical education program, procedures for internship site selection, introduction to the generic abilities and education in the Occupation Health and Safety Administration requirements.

PHTH 562 Clinical Education Seminar II (1) 
Note: graded Pass/No Credit. 
Prerequisites: all courses in physical therapy are restricted to students accepted into the program. 
This is the second of six clinical education seminars. The purpose of these seminars is to prepare students for the clinical internships. Included in Clinical Education Seminar II are discussions on clinical education, the generic abilities and AIDS education.

PHTH 563 Clinical Education Seminar III (1) 
Note: graded Pass/No Credit. 
Prerequisites: all courses in physical therapy are restricted to students accepted into the program. 
This is the third of six clinical education seminars. The purpose of these seminars is to prepare students for the clinical internships. Included in Clinical Education Seminar III are discussions of the role of the clinical instructor, characteristics of an effective clinical instructor and an effective student, the clinical performance instrument and cardiopulmonary resuscitation.

PHTH 569 Health Care Systems I (2) 
Prerequisites: all courses in physical therapy are restricted to students accepted into the program. 
This course is the first of two courses that address health care delivery issues. This course explores and compares models of health care systems. Included are the issues of managed care, multiprovider systems, marketing, availability and accessibility of health care.

PHTH 571 Neurosciences (5) 
Prerequisites: all courses in physical therapy are restricted to students accepted into the program. 
The structure and function of the central nervous system (CNS) are presented in this foundational course in physical therapy. The relationships between the somatosensory system, spinal cord and brainstem reflexes and motor systems are presented. Students will also learn how the CNS develops and the consequences of malformations of the CNS during development. Clinical signs and symptoms of specific CNS pathology will be presented and related to patients with movement disorders that receive physical therapy services.

PHTH 572 Applied Neurosciences (4) 
Prerequisites: all courses in physical therapy are restricted to students accepted into the program. 
This course provides the student with the opportunity to apply principles of neuroscience, anatomy and biomechanics to the control of sensation, posture and balance, motor control in disordered systems and motor learning. Students will learn to perform clinical sensory, reflex and cranial nerve examinations, electrophysiologic examinations, examinations of posture, balance, spasticity and rigidity. Students will also learn to apply selected physical therapy interventions directed at modulation of the sensory and motor systems.

PHTH 576 Pharmacology (2) 
Prerequisites: all courses in physical therapy are restricted to students accepted into the program. 
The course provides a basic knowledge of pharmacology for the physical therapist in order to incorporate the effects of drugs into an appropriate design and implementation of the patient care process.

PHTH 581 Clinical Internship I (5) 
Note: graded Pass/No Credit. 
Prerequisites: all courses in physical therapy are restricted to students accepted into the program. 
Clinical Internship I consists of a full-time educational experience in a clinical setting for 5 (five) weeks during summer quarter of the first year of the DPT Program. The primary purposes are to gain experience with examination, evaluation and intervention skills learned in the first academic year, practice and demonstrate developing level behavioral criteria in the generic abilities and interact with patients and health care professionals in the clinical environment.

PHTH 596 Experimental Course I (1–8) 
PHTH 599 Independent Study I (1–8) 
Prerequisites: permission of the instructor and department chair. 

PHTH 616 Musculoskeletal Systems I (5) 
Prerequisites: all courses in physical therapy are restricted to students accepted into the program. 
This course is the second of three on examination, evaluation and intervention of the musculoskeletal system. Content includes, but is not limited to, fundamental orthopedic principles, scanning examinations; diagnosis and intervention of clients with musculoskeletal conditions of the cervical spine, thoracic spine/rib and shoulder; and musculoskeletal examination, manipulation and bone pathology. Emphasis is on differential diagnosis, clinical decision making, and interventions such as region specific manual therapy (e.g., mobilization, manipulation, muscle energy), therapeutic exercise, therapeutic modalities and orthotics.

PHTH 617 Musculoskeletal Systems II (5) 
Prerequisites: all courses in physical therapy are restricted to students accepted into the program. 
This course is the second of three on examination, evaluation and intervention of the musculoskeletal system. Content includes, but is not limited to, scanning examinations; diagnosis and intervention of clients with musculoskeletal conditions of the elbow, wrist/ hand, lumbar sacral spine, hip and knee; and musculoskeletal imaging, fractures and bone pathology. Emphasis is on differential diagnosis, clinical decision making, and interventions such as region specific manual therapy (e.g., mobilization, manipulation, muscle energy), therapeutic exercise, therapeutic modalities and orthotics.

PHTH 618 Musculoskeletal Systems III (4) 
Prerequisites: all courses in physical therapy are restricted to students accepted into the program. 
This course is the third of three on examination, evaluation and intervention of the musculoskeletal system. Content includes, but is not limited to, functional examination and interventions with musculoskeletal conditions of the ankle/foot, sacroiliac, craniovertebral region and temporomandibular regions; musculoskeletal imaging, fractures and bone pathology; spinal pathology; peripheral nerve pathology; manipulation; and prosthetics. Emphasis is on differential diagnosis, clinical decision making and interventions such as region specific manual therapy (e.g., mobilization, manipulation, muscle energy), therapeutic exercise, therapeutic modalities and orthotics.

PHTH 626 Neuromuscular Systems I (5) 
Prerequisites: all courses in physical therapy are restricted to students accepted into the program. 
This course utilizes a client-centered (case study) approach to provide the student with the knowledge and skills to manage a client with peripheral or central nervous system disorder. This course includes, but is not limited to, the care of clients with peripheral neuropathy, cranial nerve dysfunction, complex regional pain syndrome (reflex sympathetic dystrophy syndrome), myasthenia gravis, demyelinating diseases of the central nervous system, cerebellar dysfunction, traumatic brain injury, vestibular dysfunction, central nervous system infections and cerebrovascular accident.

PHTH 627 Neuromuscular Systems II (3) 
Prerequisites: all courses in physical therapy are restricted to students accepted into the program. 
This course focuses on the patient/client with spinal cord injury. Examination of this patient/client with multiple system involvement, medical systems review, therapeutic interventions, multidisciplinary approaches to care, functional outcomes, technology and current research are all addressed.

PHTH 628 Neuromuscular Systems III (4) 
Prerequisites: all courses in physical therapy are restricted to students accepted into the program. 
This course utilizes a client-centered (case study) approach to provide the student with the knowledge and skills to manage a pediatric client with a disability. Theories of motor development, motor milestones and standardized assessments will be studied to provide a basis for understanding movement dysfunction presented with disabilities.

PHTH 634 Exercise Physiology (3) 
Prerequisites: all courses in physical therapy are restricted to students accepted into the program. 
Study of the acute and chronic effects of exercise and work on the human body with emphasis on the processes that control and regulate important properties of living systems. Topics include the fundamentals of human energy expenditure, the cardiovascular system, the pulmonary system, the neuromuscular system, hormone factors affecting physiological function, body composition and the effects of aging. The application of exercise for fitness and wellness in the practice of physical therapy will be emphasized.

PHTH 635 Cardiopulmonary Systems (4) 
Prerequisites: all courses in physical therapy are restricted to students accepted into the program. 
This course utilizes a client-centered (case study) approach to provide the student with the knowledge and skills to enable him/her to manage a client with cardiac and/or pulmonary system pathology. This course includes but is not limited to the care of clients with angina pectoris, coronary artery disease, congestive heart failure, mitral valve stenosis, myocardial infarction, post-coronary artery bypass graft surgery, heart and heart/ lung transplantation, chronic obstructive pulmonary disease, bronchitis, cystic fibrosis, asthma, restrictive lung disease, pneumonia, atelectasis, pneumothorax, hemothorax and pulmonary embolism.
PHTH 663 Physical Therapy Practice Seminar II (2)
Prerequisites: all courses in physical therapy are restricted to students accepted into the program.
The role of physical therapy in health care will be discussed. Speakers will present information on health care delivery, contrasting urban and rural areas. Community agencies, clinical decision making/ethics and the role of other health care professionals will be introduced. Leadership/advocacy issues will be addressed as they relate to these topic areas.

PHTH 639 Topics in Physical Therapy (3)
Prerequisites: All courses in physical therapy are restricted to students accepted into the program.
This course will provide the student with opportunities to explore specific topic areas in depth using the four practice patterns described in the Guide to Physical Therapist Practice: musculoskeletal, neuromuscular, cardiopulmonary and integumentary patterns. Specific course content will be offered in a variety of practice arenas to provide the participant with an opportunity to increase knowledge and skills in physical therapy practice. The behaviors and attitudes expected at the doctoral level will also be addressed.

PHTH 664 Multiple Systems (2)
Prerequisites: all courses in physical therapy are restricted to students accepted into the program.
The course applies an analytical approach to the treatment of patients/clients with multiple systems involvement and requires integration of aspects of learning from previous courses. Emphasis is placed on comprehensive case study management of clients with psychiatric disorders, immunologic disorders, cancer, eating disorders, women’s health problems, complex medical problems, metabolic disorders, hematologic disorders and medical emergencies. The topic of wellness is also explored.

PHTH 665 Integumentary Systems (3)
Prerequisites: all courses in physical therapy are restricted to students accepted into the program.
This course provides the student with the knowledge and skills to enable him/her to manage the client with integumentary disorders. The course includes, but is not limited to, the care of clients with burns, wounds, peripheral vascular disease and diabetes.

PHTH 661 Clinical Education Seminar IV (1)
Note: graded Pass/No Credit
Prerequisites: all courses in physical therapy are restricted to students accepted into the program.
This is the fourth of six clinical education seminars. The purpose of these seminars is to prepare students for the clinical internships. Included in Clinical Education Seminar IV are discussions on the first clinical internship, the generic abilities, student responsibilities, communication, professional behavior and internship expectations.

PHTH 662 Clinical Education Seminar V (1)
Note: graded Pass/No Credit
Prerequisites: all courses in physical therapy are restricted to students accepted into the program.
This is the fifth of six clinical education seminars. The purpose of these seminars is to prepare the students for the clinical internships. Included in Clinical Education Seminar V are active learning opportunities with physical therapist assistant students, chart review, discussion on professionalism and goal writing.

PHTH 663 Clinical Education Seminar VI (1)
Note: graded Pass/No Credit
Prerequisites: all courses in physical therapy are restricted to students accepted into the program.
This is the sixth of six clinical education seminars. The purpose of these seminars is to prepare students for the clinical internships. Included in Clinical Education Seminar VI are the selections for clinical internships, discussion of expectations and the syllabi for the ten-week internships, discussions of legal and ethical issues that may occur during clinical internships and participation in a team conference on a case-based patient.

PHTH 665 Physical Therapy Administration (3)
Prerequisites: all courses in physical therapy are restricted to students accepted into the program.
Upon completion of this course, the student will be able to develop, administer and manage a physical therapy practice, utilizing the human and material resources available, for effective delivery of services.

PHTH 669 Health Care Systems II (3)
Note: graded Pass/No Credit
Prerequisites: all courses in physical therapy are restricted to students accepted into the program.
This is the second of two courses related to the delivery of health care services, specifically physical therapy services. This course focuses on professional development, financial, legal and humanitarian issues, and service as a professional expectation.

PHTH 675 Clinical Research I (2)
Note: graded Pass/No Credit
Prerequisites: all courses in physical therapy are restricted to students accepted into the program.
This is the first of four courses designed to guide the student through the process of contributing to the body of knowledge in physical therapy through the preparation of clinical case reports. In this course, students will prepare a case report based upon the case history of a patient they provided intervention to during Clinical Internship I. Students will work with faculty mentors to prepare the case report and will present the case report to faculty and clinicians in a platform format presentation.

PHTH 680 Geriatrics (2)
Prerequisites: all courses in physical therapy are restricted to students accepted into the program.
The course will provide physical therapist students with opportunities to discuss the demographics and theories of aging, examine personal attitudes on aging, contrast normal and pathological aging in patients presented from long term care facilities and the community, design a physical therapy plan of care and create an exercise program for an elderly client.

PHTH 770 Clinical Research II (3)
Note: graded Pass/No Credit
Prerequisites: all courses in physical therapy are restricted to students accepted into the program.
This is the second of four courses designed to prepare the student to participate in clinical research in the field of physical therapy. In this series of courses students will prepare a multiple case report, based upon patients they identified during their full-time clinical internships. Students will work with an assigned faculty mentor to prepare a written multiple case report. Students will present their multiple case reports to a committee of faculty members as part of their final project.

PHTH 671 Clinical Research III (3)
Note: graded Pass/No Credit
Prerequisites: all courses in physical therapy are restricted to students accepted into the program.
This is the third of four courses designed to prepare the student to participate in clinical research in the field of physical therapy. In this series of courses students will prepare a multiple case report, based upon patients they identified during their full-time clinical internships. Students will work with an assigned faculty mentor to prepare a written multiple case report. Students will present their multiple case reports to a committee of faculty members as part of their final project.

PHTH 772 Clinical Research IV (3)
Note: graded Pass/No Credit
Prerequisites: all courses in physical therapy are restricted to students accepted into the program.
This is the fourth of four courses designed to prepare the student to participate in clinical research in the field of physical therapy. In this series of courses students will prepare a multiple case report, based upon patients they identified during their full-time clinical internships. Students will work with an assigned faculty mentor to prepare a written multiple case report. Students will present their multiple case reports to a committee of faculty members as part of their final project.

PHTH 780 Clinical Internship I (10)
Note: graded Pass/No Credit
Prerequisites: all courses in physical therapy are restricted to students accepted into the program.
Clinical Internship I consists of a full time educational experience in a clinical setting for 10 (ten) weeks. The primary purposes are to gain experience in an acute care, rehabilitation or specialty setting, demonstrate progress toward entry-level behavioral criteria in the generic abilities and clinically apply skills and knowledge attained in the first two years of the program. Upon completion of the internship, the student will demonstrate performance at a level of professional clinical competency consistent with the expectations of a physical therapist in a similar practice setting (acute care, rehabilitation or specialty setting).

PHTH 781 Clinical Internship II (10)
Note: graded Pass/No Credit
Prerequisites: all courses in physical therapy are restricted to students accepted into the program.
Clinical Internship II consists of a full time educational experience in a clinical setting for 10 (ten) weeks. The primary purposes are to gain experience in an acute care, rehabilitation or specialty setting, demonstrate progress toward entry-level behavioral criteria in the generic abilities and clinically apply skills and knowledge attained in the first two years of the program. Upon completion of the internship, the student will demonstrate performance at a level of professional clinical competency consistent with the expectations of a physical therapist in a similar practice setting (acute care, rehabilitation or specialty setting).

PHTH 782 Clinical Internship III (10)
Note: graded Pass/No Credit
Prerequisites: all courses in physical therapy are restricted to students accepted into the program.
Clinical Internship III consists of a full-time educational experience in a clinical setting for 10 (ten) weeks. The primary purposes are to gain experience in an acute care, rehabilitation or specialty setting, demonstrate progress toward entry-level behavioral criteria in the generic abilities and clinically apply skills and knowledge attained in the first two years of the program. Upon completion of the internship, the student will demonstrate performance at a level of professional clinical competency consistent with the expectations of a physical therapist in a similar practice setting (acute care, rehabilitation or specialty setting).

PHTH 783 Clinical Internship IV (10)
Note: graded Pass/No Credit
Prerequisites: all courses in physical therapy are restricted to students accepted into the program.
Clinical Internship IV consists of full-time educational experience in a clinical setting for 10 (ten) weeks. The primary purposes are to gain experience in an acute care, rehabilitation or specialty setting, demonstrate entry-level behavioral criteria in the generic abilities and clinically apply skills and knowledge attained in the first two years of the program. Upon completion of the internship, the student will demonstrate performance at a level of professional clinical competency consistent with the expectations of a physical therapist in a similar practice setting (acute care, rehabilitation or specialty setting).
Education is the most powerful weapon which you can use to change the world.
Nelson Mandela (1918–2013)
The Bachelor of Arts degree allows the student to acquire a physics degree with strong emphasis in one or more related fields of study. This degree is ideal preparation for graduate work in such areas as geophysics, biophysics and physical chemistry. Physics graduates also commonly enter graduate schools in engineering fields.

**Physics Major (45 Credits)**

The Bachelor of Arts degree allows the student to acquire a physics degree with strong emphasis in one or more related fields of study. This degree is ideal preparation for graduate work in such areas as geophysics, biophysics and physical chemistry. Physics graduates also commonly enter graduate schools in engineering fields.

**Physics/Secondary Major (69 Credits)**

**Secondary Education Core (43 Credits)**

This major satisfies the endorsement for grades 5–12.

**Bachelor of Arts in Education (BAE)**

Beginning physics students are advised to start the PHYS 151, PHYS 152, PHYS 153, PHYS 221 sequence as soon as possible. This can be done fall quarter if the student is also prepared to enroll in MATH 161. Otherwise the student should take MATH 141, MATH 142 and MATH 161 their first year and be prepared to enroll in PHYS 151 the following fall quarter. Bachelor of Science majors should complete the required chemistry sequence and as much of the General Education Core Requirements as possible during the first two years.

Electives (18 credits)

Required program credits

Elective credits

Total credits for above major

**Bachelor of Arts in Education (BAE)**

**Student Learning Outcomes—students will:**

- demonstrate knowledge of the basic concepts of physics (such as mechanics, thermodynamics and electricity and magnetism);
- make and interpret laboratory measurements in physics;
- write effectively using the language of physics.

**Physics/Secondary Major (69 Credits)**

**Secondary Education Core (43 Credits)**

This major satisfies the endorsement for grades 5–12.

**Note:** This major does not require the completion of a minor. Students are encouraged to complete a secondary endorsement in at least one other subject area.

**Required Courses (51 credits)**

- CHEM 151 General Chemistry (5)
- CHEM 152 General Chemistry (5)
- PHYS 151 General Physics I (4)
- PHYS 152 General Physics II (4)
- PHYS 153 General Physics III (4)
- PHYS 154 General Physics IV (4)
- PHYS 161 Mechanics Lab (1)
- PHYS 162 Heat and Optics Lab (1)
- PHYS 163 Instrumentation Lab I (1)
- PHYS 164 Instrumentation Lab II (1)
- PHYS 221 General Physics IV (4)
- PHYS 371 Introduction to Quantum Physics (4)
- PHYS 390 Physics Teaching Methods (1)
- MATH 161 Calculus I (5)
- MATH 162 Calculus II (5)
- MATH 163 Calculus III (5)
- SCED 390 Secondary Science Teaching Methods (1)

**Electives (18 credits)**

Choose from any 300-400 level physics courses, except PHYS 497.

**Bachelor of Arts in Education (BAE)**

**Student Learning Outcomes—students will:**

- demonstrate knowledge of the basic concepts of physics (such as mechanics, thermodynamics and electricity and magnetism);
- write effectively using the language of physics;
- make and interpret laboratory measurements in physics.
**BACHELOR OF SCIENCE (BS)**

Student Learning Outcomes—students will:

- write effectively using the language of physics;
- make and interpret laboratory measurements in physics;
- demonstrate knowledge of the basic concepts of physics (such as mechanics, thermodynamics and electricity and magnetism).

**PHYSICS MAJOR (103 CREDITS)**

The Bachelor of Science program is designed primarily for students preparing for graduate study in physics and for students planning a professional career in physics.

**Required Courses (97 credits)**

- CHEM 151 General Chemistry (5)
- CHEM 152 General Chemistry (5)
- CHEM 153 General Chemistry (5)
- MATH 161 Calculus I (5)
- MATH 162 Calculus II (5)
- MATH 163 Calculus III (5)
- MATH 241 Calculus IV (5)
- MATH 342 Topics in Applied Analysis II (4)
- MATH 347 Introductory Differential Equations (4)
- PHYS 151 General Physics I (4)
- PHYS 152 General Physics II (4)
- PHYS 153 General Physics III (4)
- PHYS 161 Mechanics Lab (1)
- PHYS 162 Heat and Optics Lab (1)
- PHYS 163 Instrumentation Lab I (1)
- PHYS 164 Instrumentation Lab II (1)
- PHYS 221 General Physics IV (4)
- PHYS 321 Advanced Physics Lab I (3)
- PHYS 322 Advanced Physics Lab II (3)
- PHYS 361 Classical Mechanics I (4)
- PHYS 362 Classical Mechanics II (4)
- PHYS 371 Introduction to Quantum Physics (4)
- PHYS 381 Atomic Physics (4)
- PHYS 401 Electromagnetism I (4)
- PHYS 402 Electromagnetism II (4)
- PHYS 403 Electromagnetism III (4)

**Electives (6 credits minimum)**

- PHYS 363 Special Relativity (4)
- or any 400-level physics courses except PHYS 497 may be selected as electives.

**Required program credits**

<table>
<thead>
<tr>
<th>Elective credits</th>
<th>97 credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total credits for above major</td>
<td>103 credits</td>
</tr>
</tbody>
</table>

**MINORS**

**PHYSICS MINOR (20 CREDITS)**

**Required Courses**

- PHYS 151 General Physics I (4)
- PHYS 152 General Physics II (4)
- PHYS 153 General Physics III (4)
- PHYS 161 Mechanics Lab (1)
- PHYS 162 Heat and Optics Lab (1)
- PHYS 164 Instrumentation Lab I (1)
- PHYS 221 General Physics IV (4)

**Total credits for above minor**

| 20 credits |

**PHYSICS/SECONDARY MINOR (24 CREDITS)**

This minor satisfies the endorsement for grades 5–12.

**Required Courses**

- PHYS 151 General Physics I (4)
- PHYS 152 General Physics II (4)
- PHYS 153 General Physics III (4)
- PHYS 161 Mechanics Lab (1)
- PHYS 162 Heat and Optics Lab (1)
- PHYS 163 Instrumentation Lab I (1)
- PHYS 164 Instrumentation Lab II (1)
- PHYS 221 General Physics IV (4)
- PHYS 495 Internship (4)

**Total credits for above minor**

| 24 credits |

**Course Requirements for Teacher Certification/Add-on Endorsements**

**GENERAL SCIENCE/ADD-ON ENDORSEMENT (65 CREDITS)**

(For students who currently possess a Washington State Teaching Certificate.)

This add-on satisfies the general science endorsement and allows teachers to teach any science grades 5–12.

To improve their marketability as science teachers, students may wish to complete this option in addition to their BAE in biology, chemistry, earth science or physics.

**Required Courses**

- BIOL 171 Biology I (5)
- BIOL 172 Biology II (5)
- BIOL 173 Biology III (5)
- BIOL 390 Biology Teaching Methods (1)
- CHEM 151 General Chemistry (5)
- CHEM 152 General Chemistry (5)
- CHEM 153 General Chemistry (5)
- CHEM 390 Chemistry Methods for the Secondary School (1)
- GEOG 314 Weather and Climate (5)
- GEOL 120 Physical Geology—The Solid Earth (5)
- GEOL 121 Physical Geology—Surficial Processes (5)
- GEOL 390 Earth Science Teaching Methods (1)
- PHYS 121 Descriptive Astronomy (5)
- PHYS 131 Introductory Physics I (4)
- PHYS 132 Introductory Physics II (4)
- PHYS 161 Mechanics Lab (1)
- PHYS 162 Heat and Optics Lab (1)
- PHYS 390 Physics Teaching Methods (1)
- SCED 390 Secondary Science Teaching Methods (1)

**Total credits for above add-on endorsement**

| 65 credits |
Physics Courses

Terms offered: fall, winter, spring, summer (FWSU).

PHYS 100 Physical Science I (5)
Prerequisite: pre-university basic skills in mathematics.
Satisfies: general education science, physics. Course covers the elementary aspects of physical science and astronomy. It operates in an informal laboratory mode with ample opportunity for discussion and individual assistance. No mathematics beyond basic arithmetic is used.

PHYS 115 Investigating Physical Science (5)
Prerequisite: MATH 211.
Satisfies: a GECR for natural sciences, physics.
For students planning to teach elementary school. Includes inquiry based physical science investigations that support science instruction outlined in the National Science Education Standards and Washington Essential Academic Learning Requirements.

PHYS 121 Descriptive Astronomy (5)
Prerequisite: pre-university basic skills in mathematics.
Satisfies: a GECR for natural sciences, physics.
This course follows the development of astronomy from the earth-centered model of the early Greeks through the sun-centered model of Copernicus to the modern dynamic model of the universe incorporating the known laws of physics in its description. Topics covered in this development include a study of the solar system and a brief description of the physical laws used in astronomy. Additional topics such as distances, motions properties and evolution of stars lead to a study of galaxies and the structure of the universe and to modern cosmological models. Laboratory activities include naked-eye observation and measurement, planetarium sessions, Celestial Globe activities, computer simulations, as well as experiments in optics, spectra and the use of telescopes.

PHYS 131 Introductory Physics I (4) F
Note: The completion of PHYS 131, PHYS 161 satisfies the GECR for natural sciences, physics; counts as one course. The completion of PHYS 131, PHYS 132, PHYS 161, plus any one of the following: PHYS 162, PHYS 163, PHYS 164 satisfies the GECR for natural sciences, physics; counts as two courses.
Prerequisites: MATH 124, concurrent enrollment in PHYS 161 for PHYS 131 is recommended; PHYS 131 for PHYS 132, and PHYS 132 for PHYS 133.

These courses are designed primarily for science students with mathematical preparation through algebra and trigonometry. No calculus is used. The topics covered are PHYS 131—kinematics, dynamics, conservation of momentum and energy and simple harmonic motion; PHYS 132—sound/waves, heat/thermo-dynamics, geometric optics; PHYS 133—electricity and magnetism, physical optics, modern physics. Each course consists of 4 credits of lecture and 1 credit of required instrumentation laboratory.

PHYS 132 Introductory Physics II (4) W
Note: See description under PHYS 131. The completion of PHYS 131, PHYS 132, PHYS 161, plus any one of the following: PHYS 162, PHYS 163, PHYS 164 satisfies the GECR for natural sciences, physics; counts as two courses.
Prerequisites: PHYS 131.

PHYS 133 Introductory Physics III (4) S
Note: See description under PHYS 131.
Prerequisites: PHYS 132.

PHYS 151 General Physics I (4) F
Note: the completion of PHYS 151, PHYS 161 satisfies the GECR for natural sciences, physics; counts as one course.
Prerequisites: Concurrent enrollment in MATH 161. Concurrent enrollment in PHYS 161 is recommended.

Part of a four-quarter beginning sequence (PHYS 151, PHYS 152, PHYS 153, PHYS 221) suitable for all students of natural science and mathematics. Topics covered include: relativistic motion, gravity, fluids, waves and thermodynamics.

PHYS 152 General Physics II (4) W
Note: the completion of PHYS 151, PHYS 152, PHYS 161, plus any one of the following: PHYS 162, PHYS 163, PHYS 164 satisfies the GECR for natural sciences, physics; counts as two courses.
Prerequisites: PHYS 151 and concurrent enrollment in MATH 161.

Part of a four-quarter beginning sequence (PHYS 151, PHYS 152, PHYS 153, PHYS 221) suitable for all students of natural science and mathematics. Topics covered include: rotational motion, gravity, fluids, waves and thermodynamics.

PHYS 161 Mechanics Laboratory (4) F
A laboratory course in mechanics, including one-dimensional motion, motion in a plane, dynamics, conservation of energy and momentum and oscillating motion.

PHYS 162 Heat and Optics Laboratory (4) W
A laboratory course suitable for use with either Introductory or General Physics. Experiments in optics include reflection and refraction, lenses and mirrors, microscopes and telescopes, optical spectra and microwave optics. Experiments in heat include heat and temperature, thermal expansion, mechanical and electrical equivalents of heat and a study of gas laws.

PHYS 163 Instrumentation Laboratory I (1) S
This laboratory emphasizes the use of electronic instruments in the measurement of physical quantities.

PHYS 164 Instrumentation Laboratory II (1) S
Note: see description under PHYS 163.

PHYS 221 General Physics IV (4) F
Prerequisites: Part of a four-quarter beginning sequence (PHYS 151, PHYS 152, PHYS 153, PHYS 221) suitable for all students of natural science and mathematics. Topics covered include: electromagnetism, alternating current circuit theory, Maxwell’s equations, physical optics, quantization and nuclear physics.

PHYS 299 Special Studies (1–5) FWSU
PHYS 321 Advanced Physics Lab I, (3) S
Prerequisite: junior standing or permission of the instructor.
Alaboratory course dealing with classical experiments in all of physics as well as introducing many modern measurement techniques in atomic and nuclear physics.

PHYS 322 Advanced Physics Lab II (3) S
Prerequisite: junior standing or permission of the instructor.

PHYS 338 Discovering Women in Science (1)
Cross-listed: BIECL, CHEM, CRST, HIST, PSYCH, WAST 338.
The course uses several scientific themes to rediscover from the past and find in contemporary research, the women who have made significant contributions to science.

PHYS 361 Classical Mechanics I (4) alt
Prerequisites: PHYS 153, MATH 163.
A study of statics and dynamics from a mathematical point of view; an introduction to Lagrange's Equations.

PHYS 362 Classical Mechanics II (4) alt
see description under PHYS 361.

PHYS 363 Special Relativity (4)
Prerequisites: PHYS 153, MATH 162.
An introduction to Einstein’s theory of special relativity and its application to particle dynamics.

PHYS 371 Introduction to Quantum Physics (4) W
Prerequisites: MATH 163, PHYS 221.
An introduction to the origin and development of quantum theory with emphasis on the classical experiments leading to Schrödinger’s Wave Mechanics and applications of Schrödinger’s Equation to simple systems.

PHYS 381 Atomic Physics (4) S
Prerequisites: PHYS 371.
A study of the application of quantum theory to the description of the periodic table, to the interpretation of atomic and molecular spectra and to the behavior of X-rays.

PHYS 401 Electromagnetism I (4) F
Prerequisites: successful completion or concurrent enrollment in PHYS 161 and ENGR 341 and enrollment in a co-requisite SCED 390.
This course is for physics majors planning to teach junior or senior high school. Topics will include: organization of lesson materials, techniques, resources and evaluation.

PHYS 402 Electromagnetism II (4) W
Note: see description under PHYS 401.

PHYS 403 Electromagnetism III (4) S
Note: see description under PHYS 401.

PHYS 411 Classical Thermodynamics (3)
Prerequisites: PHYS 153, MATH 163.
Introduction to elementary thermodynamics; first, second and third laws of thermodynamics; ideal gases; and kinetic theory.

PHYS 424 Astrophysics (4)
Prerequisites: PHYS 153, MATH 163.
Application of the physical principles of mechanics, fluid dynamics, thermodynamics, electromagnetism, optics, and relativity within the astronomical context of observational techniques/instrumentation, planetary science, stellar structure/evolution, galactic/extragalactic structure and cosmology. Computer-based laboratory exercises in orbital motions, rotational motion, photometry and spectroscopy are included.

PHYS 431 Solid State Devices Physics (3)
Prerequisites: MATH 163, PHYS 221.
A course dealing with crystalline semiconductors, carrier transport generation and recombination, p-n junctions, metal-semiconductor junctions, microwave devices, photonic devices like solar cells and semiconductor lasers.

PHYS 441 Solid State Physics (3)
Prerequisites: PHYS 431.
A course dealing with the quantum properties of electrons in solids, mechanisms of electron and hole conduction and the theory of operation of solid state devices.
PHYS 451  Optics (4) alt
Prerequisites: MATH 163, PHYS 153.
A study of the nature of light and its applications, with emphasis on physical optics and the electromagnetic wave theory of light. Topics selected from modern optics include Fourier optics, basics of coherence theory and aspects of the quantum nature of light.

PHYS 461  Nuclear Physics (3)
Prerequisite: PHYS 381.
A continuation of PHYS 381 which deals with properties of the nucleus, laws of radioactivity, nature of radiation, nuclear, X- and gamma rays and nuclear reactions.

PHYS 495  Internship (1–5) FWSU
Prerequisite: permission of the instructor, department chair and college dean.

PHYS 497  Workshops, Short Courses, Conferences (1–6) FWSU

PHYS 498  Seminar (1–2) S

PHYS 499  Directed Study (1–5) FWSU
Prerequisite: permission of the instructor, department chair and college dean.

A poem begins in delight and ends in wisdom.
Robert Frost, poet (1874–1963)
Eastern Washington University offers students the opportunity to earn substantial amounts of coursework toward the requirements of a number of specific professions. Although the following Pre-Professional programs have been offered for several years by EWU, this listing is not exclusive; students who are interested in a profession which is not represented (below) are encouraged to contact the Office of General Undergraduate Academic Advising for assistance in identifying departments or programs which can offer coursework and advice as regards alternative Pre-Professional studies.

### PRE-COMMUNICATION DISORDERS

**College of Science, Health & Engineering**  
Department of Communication Disorders

<table>
<thead>
<tr>
<th>Name</th>
<th>Phone</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jane Pimentel</td>
<td>509.828.1325</td>
</tr>
</tbody>
</table>

**Program Description**  
Individuals who have earned a baccalaureate degree in a discipline other than communication disorders can apply for the graduate program in Communication Disorders at Eastern Washington University upon completion of a year of prerequisite courses. These prerequisite courses are intended to prepare the individual for the rigors of graduate study in the discipline. As the graduate program typically takes two years to complete, an individual having a baccalaureate degree in a different discipline can earn the master's degree within three years.

The individual would take the courses listed below during the first year of study (it is strongly suggested that the candidate apply for fall admission into the post-baccalaureate program). As the individual is taking the prerequisite courses, he/she would apply for graduate study by February 1 of the current academic year (for graduate application requirements, please see the Communication Disorders section of this catalog). If accepted to the graduate program in Communication Disorders, the student would complete the remaining prerequisite requirements and then enroll in graduate study in the fall term immediately following completion of the prerequisite requirements.

It should be noted that the Communication Disorders program operates on a semester-based academic schedule whereas the rest of the university operates on a quarter-based schedule. If the student has deficiencies in his/her academic preparation that are not related specifically to the major, those deficiencies will have to be taken during the summer when there will be no conflict between the Communication Disorders semester-based schedule and the university’s quarter-based schedule.

**Pre-Professional Program Requirements**  
*Note:* After each course below, credits are listed as both quarter (q) and semester (s). Courses are taught on a semester schedule but the academic transcript will show quarter credits.

**Fall Semester**  
- COMD 304 Phonetics (3s; 4.5q)
- COMD 321 Anatomy and Physiology of Speech Production (3s; 4.5q)
- COMD 331 Language Development (3s; 4.5q)
- COMD 371 Hearing and Hearing Disorders (3s; 4.5q)
- COMD 422 Neuroanatomy (3s; 4.5q)
- COMD 473 Aural Rehabilitation (3s; 4.5q)

**Spring Semester**  
- COMD 320 Speech and Hearing Sciences (3s; 4.5q)
- COMD 357 Language Impairment (3s; 4.5q)
- COMD 358 Speech Sound Disorders (3s; 4.5q)
- COMD 372 Audiometry (3s; 4.5q)
- COMD 441 Assessment of Speech and Language (3s; 4.5q)
- COMD 461 Clinical Apprenticeship (2s; 3q)

**Total credits for above post-baccalaureate program**  
35s or 52.5q credits

### PRE-DENTISTRY AND PRE-MEDICINE

**College of Science, Health & Engineering**  
Department of Biology and Chemistry / Biochemistry

<table>
<thead>
<tr>
<th>Name</th>
<th>Phone</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sidney Kasuga</td>
<td>509.593.2868, 509.593.2038</td>
</tr>
<tr>
<td>Jeff Corkill</td>
<td>226 Science Bld. 509.593.2447</td>
</tr>
<tr>
<td>Nick Burgis</td>
<td>226 Science Bld. 509.593.2447</td>
</tr>
<tr>
<td>Charles Herr</td>
<td>226 Science Bld. 509.593.2447</td>
</tr>
</tbody>
</table>

**Undergraduate Programs**

Admission requirements for Schools of Medicine, Dentistry or Veterinary Medicine are typically satisfied by a Bachelor of Science degree in either biology or chemistry with substantial coursework from both disciplines. The requirements of these professional schools are so demanding and frequently variable that it is imperative students contact a pre-medical, pre-dental or pre-veterinary medicine advisor immediately upon deciding to earn a degree in one of these areas and work closely with that advisor in developing a complete curriculum. The program of study may vary for each student dependent on his/her preparation, background or specific interests. Other majors may be chosen if the basic requirements are met (two years each of biology and chemistry, one year of physics with supporting mathematics and typically one year of biochemistry and/or molecular biology). As a part of the selection process for admission to professional school, pre-medical and pre-dental students must also take a nationally administered evaluative test (Medical College Admission Test or Dental College Admission Test respectively); these tests are largely based on the science requirements previously noted, Mathematics Applied Quantitative Assessments, English Comprehension and writing. Since the MCAT or DAT is typically taken either at the end of the third or beginning of the fourth academic year, it is imperative that students complete the basic science requirements during the first three years of study. For additional curriculum information and a complete list of courses required in a four-year program of study leading to the Bachelor of Science degree, see major option descriptions under the Biology or Chemistry/Biochemistry Departments. Note that majors in these areas of study offered by the two departments principally differ only in the fourth year.

Because admission requirements can vary between individual professional schools, it is imperative that students directly contact schools of interest and ascertain specific requirements prior to the application process. Publications such as Medical School Admission Requirements and Admission Requirements of American Dental Schools provide profile information on a school-by-school basis regarding admitted students. Students must realize that admission to professional school is highly competitive and thus uncertain—nothing assures admission.

**General Admissions Requirements for Majors in pre-medicine, pre-dentistry or pre-veterinary medicine**

In order to complete degree requirements in four years and be prepared for professional school admission tests at the end of three, it is essential that students are enrolled in college-level chemistry and biology courses at the inception of their pre-professional curriculum. Thus preparation at the high school level should include year each of biology, chemistry and physics as well as three or four years each of English and mathematics (through pre-calculus). Students transferring from other institutions including community colleges should consult with Eastern’s Admissions Office for information regarding course equivalencies. Students are encouraged to contact Eastern’s pre-professional advisors prior to enrollment.

See the Department of Biology or Chemistry/Biochemistry sections of this catalog for curriculum descriptions.
Traditionally the pharmacist has been among the most accessible of the health sciences. Undergraduate pharmacy education is largely founded in the biological and chemical sciences and is integrated with coursework in the humanities and social sciences. The curriculum of a school of pharmacy is designed to prepare graduates for a variety of professional careers. These include the practice of community retail and hospital pharmacy, clinical pharmacy, research or sales in the pharmaceutical industry and regulatory and administrative positions at either the state or federal level. Traditionally the pharmacist has been among the most accessible of the health-care team, serving as the first source of advice and assistance for common medical disorders. At present, due to an increased clinical emphasis in pharmacy education, pharmacists are more frequently involved in a direct, patient-oriented practice that includes responsibilities such as selecting and dispensing drug products, monitoring drug interactions and counseling patients.

Degree Information for Pharmacy

Most schools of pharmacy offer only one degree in pharmacy: the Doctor of Pharmacy (Pharm. D.). The Pharm. D. degree qualifies the student to take the State Board of Pharmacy Licensing Examination, a requirement for the practice of pharmacy in any state. The academic program leading to the Pharm. D. degree is divided in two parts. The first, termed the pre-professional program provides coursework in the basic sciences, mathematics, English, humanities and social sciences. The second, termed the professional program (four years) provides academic exposure to the practice of pharmacy and includes coursework in areas such as biochemistry, medicinal chemistry, pharmacology, anatomy, physiology, dispensing, law, therapeutics, pharmacokinetics and biostatistics. In addition, clerkships in community and clinical settings are required. Students should contact pharmacy schools of interest to determine specific pre-professional course requirements, and should also contact EWU pre-pharmacy advisors.

Admissions Requirements/Preparation

Due to the time requirement necessary for completion of the Pharm. D. degree and substantial prerequisites for courses in the professional portion of the program, students should be prepared to begin college level chemistry and biology at the inception of their pre-professional curriculum. Thus students interested in pre-pharmacy should complete one year of both high school chemistry and biology, as well as mathematics through pre-calculus prior to enrollment at EWU. Students transferring from other institutions, including community colleges, should consult with the Admissions Office for information regarding course equivalencies. Students are encouraged to contact Eastern’s pre-pharmacy advisors prior to enrollment or early in their academic program.

Most schools of pharmacy require completion of the Pharmacy College Admission Test (PCAT), a nationally administered evaluative test. Students are strongly encouraged to take the State Board of Pharmacy Licensing Examination, a requirement for the practice of pharmacy in any state. The academic program leading to the Pharm. D. degree is divided in two parts. The first, termed the pre-professional program provides coursework in the basic sciences, mathematics, English, humanities and social sciences. The second, termed the professional program (four years) provides academic exposure to the practice of pharmacy and includes coursework in areas such as biochemistry, medicinal chemistry, pharmacology, anatomy, physiology, dispensing, law, therapeutics, pharmacokinetics and biostatistics. In addition, clerkships in community and clinical settings are required. Students should contact pharmacy schools of interest to determine specific pre-professional course requirements, and should also contact EWU pre-pharmacy advisors.

Courses

See course descriptions under the participating programs and departments: Biology, Chemistry and Biochemistry, Computer Science, Mathematics and Physics.
UNDERGRADUATE PROGRAMS

Psychology is the science of human behavior and experience. Psychologists differ considerably in what they do because the field encompasses a wide range of human activities. Generally speaking, clinical, school, and counseling psychologists provide services to help people make better adjustments in their daily lives, while experimental psychologists conduct research and construct theories to help us better understand the nature of behavior.

The mission of the Department of Psychology is to educate students in the science and profession of psychology. To accomplish this mission, the department seeks to promote the acquisition of the core knowledge and principles of psychology; to enhance the student’s professional growth and development; to further the student’s ability to think analytically, logically and creatively; and to develop the student’s ability to communicate effectively. The department promotes psychology as a science and a profession by excellence in teaching, research, and service. Our undergraduate programs in psychology are patterned after the recommendations of the American Psychological Association for undergraduate majors in psychology.

The Department of Psychology is located in Martin Hall, a building that has up-to-date laboratories, classrooms and specialized clinical training areas. Our laboratories and training areas are extremely well equipped and very active. Students are encouraged to get involved in research projects and other professional activities as undergraduates.

Required courses in the following programs of study may have prerequisites. Reference the course description section for clarification.

BACHELOR OF ARTS (BA)

Student Learning Outcomes—students will:

- develop ethical and evidence-based decision-making;
- use APA style effectively in empirically based reports, literature reviews and theoretical papers;
- recognize and understand major perspectives of psychology;
- evaluate the appropriateness of design, statistical analyses and conclusions derived from psychological research;
- design and conduct studies to address psychological questions using appropriate research methods.

PSYCHOLOGY MAJOR (70 CREDITS)

General Admissions Information for Psychology

High school students should have at least one year of algebra. Social science courses, including psychology and natural science courses such as biology and chemistry are also encouraged. Transfer students may be given credit for appropriate transfer courses in the major and for electives. Transfer credits will be limited to 20 lower division courses and no more than 30 transfer credits total can be applied toward the degree.

Note: to declare psychology as a major, students must have a minimum cumulative GPA of 2.0 and taken and passed PSYC 100 or its equivalent with a GPA of 2.0.

General Degree Completion Requirements for Psychology

Students who major in psychology but who transfer some lower division psychology coursework from other colleges/universities must complete at least 50 hours of upper division credits in the 70 credit psychology major. No more than 20 credits from online courses will be counted toward major requirements.

Note: students must attain a grade of 2.0 for each of the required courses: CSBS 320, PSYC 100, PSYC 302, PSYC 313, PSYC 395/495, PSYC 398/PSYC 498 and PSYC 399/PSYC 499.

Capstone Course: The university capstone requirement can be met by the department capstone course, PSYC 490 Senior Capstone: The Tradition of Psychology (6).

Required courses are designed to provide students with the foundations of the field. Through careful planning in the selection of cluster and elective courses, students may develop a program of study to prepare for application to graduate school programs or meet specific career goals in psychology-related business/human services occupations.

Note: two years of a single high school foreign language or one year of a single college level foreign language is required.

Prerequisite Course (5 credits)

PSYC 100 General Psychology (5)

Required Courses (15 credits)

PSYC 309 Scientific Principles of Psychology (5)
CSBS 320 Introductory Statistics for the Social Sciences (5)
PSYC 313 Research Methods in Psychology (5)

Focus Experience Courses—students choose from any combination of the following (3 credits minimum)

PSYC 395 or PSYC 495 Internship*
PSYC 398 or PSYC 498 Seminar
PSYC 399 or PSYC 499 Directed Study*

Note: instructor’s permission required.

In addition to the core course requirements, psychology majors are required to take a specified number of courses from two clusters of courses as follows:

Cluster A (19–20 credits)
Core Courses—students are required to take at least four of the following courses.

PSYC 301 Theories of Personality (5)
PSYC 302 Abnormal Psychology (5)
PSYC 303 Foundations of Psychotherapy (5)
PSYC 305 Child and Adolescent Development (4)
or PSYC 306 Adult Development (4)
PSYC 316 Human Memory and Cognition (5)
PSYC 324 Conditioning and Learning (4)
PSYC 340 Emotion and Emotional Intelligence (5)
PSYC 381 Social Psychology (5)
PSYC 420 Biological Basis of Behavior (5)
PSYC 474 Cultural Psychology (5)

Cluster B (11–15 credits)
Applied/Lab and Specialty Courses—students are required to take at least three of the following courses:

CSBS 321 Computer Aided Data Analysis (4)
PSYC 314 Tests and Measurements (5)
PSYC 317 Health Psychology (5)
PSYC 318 Computerized Research Techniques in Psychology (4)
PSYC 325 Drugs and Behavior (5)
PSYC 325 Cognitive and Behavioral Change (4)
PSYC 331 Psychology of Women (4)
PSYC 359 Human Sexuality (5)
PSYC 421 Care and Custody of Female Offenders (5)
PSYC 425 Psychology and the Legal System (5)
PSYC 427 Psychology of Intimate Relationships (5)
PSYC 430 Human Psychophysiology (5)
PSYC 431 Stress and Coping (5)
PSYC 435 Introduction to Compassion Focused Therapy (5)
PSYC 440 Happiness and Positive Psychology (5)
PSYC 450 Trauma: Theory, Assessment and Treatment (4)
PSYC 452 Social Influence (4)
PSYC 470 Childhood Psychopathology and Treatment (5)
PSYC 481 Prejudice and Stereotyping (5)
PSYC 483 Group Dynamics (5)
PSYC 496 Experimental Course (1–5)
PSYC 497 Workshops, Short Courses, Conferences (1–5) may be counted as a cluster course or elective as approved by the department chair.

Electives (12–18 credits)

Note: the courses used as electives in the major must come from any of the courses listed in Cluster A or Cluster B course listings that are not used to meet the minimum cluster requirements or other courses as approved by the department chair.

Required prerequisite credits 5 credits
Required common core credits 15 credits
Required focus experience credits
Required cluster A credits 19–20 credits
Required cluster B credits 11–15 credits
Psychology elective credits (see note) 12–18 credits
Minimum total credits for above major 70 credits

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BACHELOR OF SCIENCE (BS)

Student Learning Outcomes—students will:

- develop ethical and evidence-driven decision-making;
- use APA style effectively in empirically based reports, literature reviews and theoretical papers;
- recognize and understand major perspectives of psychology;
- evaluate the appropriateness of design, statistical analyses and conclusions derived from psychological research;
- demonstrate understanding of psychological phenomena from a life-span perspective.

APPLIED DEVELOPMENTAL PSYCHOLOGY MAJOR (69 CREDITS)

The Bachelor of Science in Applied Developmental Psychology prepares students for entry-level work and graduate study in a variety of developmental and human service careers. The program covers basic areas of human developmental psychology across the life span with a special focus on processes and principles of developmental change. Elective packages may be chosen to focus preparation toward attainment of individual student objectives such as child development interventions, pre-counseling, graduate study and others.

Required Courses (39 credits)

- PSYC 305 Child and Adolescent Development (4)
- PSYC 306 Adult Development (4)
- PSYC 307 Psychology of Adjustment (5)
- PSYC 309 Scientific Principles in Psychology (5)
- PSYC 315 Psychology of Human Relations (4)
- PSYC 320 Developmental Theories and Applications (4)
- PSYC 324 Conditioning and Learning (4)
- PSYC 402 Behavior Modification (4)

Take 4 credits of the same Field Study for two consecutive quarters (8 credits)

- PSYC 483 Group Dynamics (5)
- PSYC 476 Child and Family Guidance (4)
- PSYC 402 Behavior Modification (4)
- PSYC 344 Introduction to the Helping Professions (4)
- PSYC 490A Senior Capstone: Traditions of Psychology (6)
- PSYC 490B Senior Capstone: Minds and Vines: Psychology of Wine (4)
- PSYC 491 Senior Thesis (4) (By faculty invitation.)

Upper Division: (18 credits)

- PSYC 344 Introduction to the Helping Professions (4)
- PSYC 476 Child and Family Guidance (4)
- PSYC 483 Group Dynamics (5)

Minimum total credits for above major: 69 credits

Additional Recommended Courses (10 credits)

- PSYC 302 Abnormal Psychology (5)
- PSYC 420 Biographical Basis of Behavior (5)

MINORS

APPLIED DEVELOPMENTAL PSYCHOLOGY MINOR (15 CREDITS)

Note: students must have an overall cumulative grade point average ≥2.0 in courses applying toward this minor in order to graduate with this minor.

Choice of 15 credits from the following list in consultation with an advisor.

- PSYC 304 cannot be included.
- CSBS 320 Introductory Statistics for the Social Sciences (5)
- PSYC 305 Child and Adolescent Development (4)
- PSYC 306 Adult Development (4)
- PSYC 307 Psychology of Adjustment (5)
- PSYC 309 Scientific Principles in Psychology (5)
- PSYC 314 Tests and Measurements (5)
- PSYC 315 Psychology of Human Relations (4)
- PSYC 320 Developmental Theories and Applications (4)
- PSYC 324 Conditioning and Learning (4)
- PSYC 344 Introduction to the Helping Professions (4)
- PSYC 402 Behavior Modification (4)
- PSYC 476 Child and Family Guidance (4)
- PSYC 483 Group Dynamics (5)

Total minimum credits for above minor: 15 credits

PSYCHOLOGY MINOR (20 CREDITS)

The psychology minor requires PSYC 100 General Psychology (5) plus 15 credits of coursework taken from the following list. The courses are to be approved by the department chair. No more than 10 credits from another institution can be transferred toward the minor.

Note: students must have an overall cumulative grade point average ≥2.0 in courses applying toward this minor in order to graduate with this minor.

- CSBS 320 Introductory Statistics for the Social Sciences (5)
- CSBS 321 Computer Aided Data Analysis (4)
- PSYC 301 Theories of Personality (5)
- PSYC 302 Abnormal Psychology (5)
- PSYC 303 Foundations of Psychotherapy (5)
- PSYC 305 Child and Adolescent Development (4)
- PSYC 306 Adult Development (4)
- PSYC 309 Scientific Principles of Psychology (5)
- PSYC 314 Tests and Measurements (5)
- PSYC 316 Human Memory and Cognition (5)
- PSYC 317 Health Psychology (5)
- PSYC 318 Computerized Research Techniques in Psychology (4)
- PSYC 323 Drugs and Behavior (5)
- PSYC 324 Conditioning and Learning (4)
- PSYC 325 Cognitive and Behavioral Change (4)
- PSYC 331 Psychology of Women (4)
- PSYC 340 Emotion and Emotional Intelligence (5)
- PSYC 359 Human Sexuality (5)
- PSYC 381 Social Psychology (5)
- PSYC 398/498 Seminar
- PSYC 399/499 Directed Study
- PSYC 420 Biological Basis of Behavior (5)
- PSYC 421 Care and Custody of Female Offenders (5)
- PSYC 425 Psychology and the Legal System (5)
- PSYC 427 Psychology of Intimate Relationships (5)
- PSYC 430 Human Psychophysiology (5)
- PSYC 431 Stress and Coping (5)
- PSYC 433 Introduction to Compassion Focused Therapy (5)
- PSYC 440 Happiness and Positive Psychology (5)
- PSYC 450 Trauma: Theory, Assessment and Treatment (4)
- PSYC 452 Social Influence (4)
- PSYC 470 Childhood Psychopathology and Treatment (5)
- PSYC 475 Cultural Psychology (5)
- PSYC 481 Prejudice and Stereotyping
- PSYC 483 Group Dynamics (5)

Total credits for above minor: 20 credits
GRADUATE PROGRAMS
Graduate study in psychology provides the student with advanced preparation for practice in the field or for entering doctoral-level programs in psychology. Each degree program addresses the changing nature of society and professional requirements. The degree programs available through the Department of Psychology are: Master of Science in Counselor Education with emphases in either Mental Health Counseling or School Counseling; Master of Science in Psychology with concentrations in either clinical or general/experimental psychology; and Educational Specialist in School Psychology. A Post-Master’s Certificate in School Psychology and a School Counselor Professional Certificate are also offered.

Final Comprehensive Examination Policy of the Department of Psychology
A. Each student shall complete, before the awarding of the EdS and master’s degrees, a portfolio, which demonstrates the competence of the student in graduate level work in school psychology. Portfolios will reflect knowledge and skills in the National Association of School Psychology Domains of Training and Practice. B. Students will begin their portfolio in the first year through the Professional School Psychology courses and will have a formal interview with School Psychology faculty members in the second or third quarter of their second year in the program to serve as preliminary feedback and determination of preparation for the internship experience. An oral examination that will focus primarily on the portfolio may also include questions regarding professional practice and the internship experience will be held at the end of the third year of the program. The final oral examination will be open to all interested faculty and students and may be open to questions by outside members at the discretion of the committee. Final oral examinations will not be held over vacation periods or during summer quarter except by advance approval of the committee chair, second member and graduate office representative. The final oral examination will not be over two hours.
C. All graduate students in the School Psychology Program are subject to the academic advancement policies of Graduate Studies regarding grades.

Financial Aid—direct inquiries and application materials to:
Financial Aid and Scholarship Office
Eastern Washington University
102 Sutton Hall
Cheney, WA 99004-2447
A limited number of graduate assistantships are awarded to students of outstanding promise. Duties assigned graduate assistants involve 20 hours per week in tasks which meet the needs of the school and the student. Loans, work-study jobs and scholarships are available to eligible students through the university’s Office of Financial Aid.
Some fellowships and financial assistance may be available through the College of Social & Behavioral Sciences and Social Work. Apply for financial aid no later than February 15. Application and financial files should be completed as soon after January 1 as possible for the following year. Do not wait until admission is granted.

EDUCATIONAL SPECIALIST IN SCHOOL PSYCHOLOGY (EdS)
Susan Ruby,
Program Director
135 Martin Hall
509.359.6050
sruby@ewu.edu

Admission Requirements/Preparation
Early consideration deadline for completed applications is January 15. All application materials must be received by March 1 for consideration of admission for a fall start. Students ordinarily begin their graduate studies fall quarter. Admission to begin the program in winter or spring is discouraged.
1. Must have a GPA ≥3.0 in the last 90 quarter or 60 semester-graded credits. The Graduate Admission Committee may recommend a limited number of other students with a lower GPA to the Dean of Graduate Studies for admission based upon standard test scores, intervening experiences and other relevant factors.
2. Must meet the requirements of the Graduate School.
3. Must submit application to the Department of Psychology for the School Psychology Program, vita/résumé, and a letter of introduction and intent (not to exceed 3 pages) for admission to the School Psychology EdS.
4. Must send three letters of recommendation to the Department of Psychology.
5. Must have a bachelor’s degree in psychology or its equivalent. Ordinarily, the applicant’s transcript must show evidence of courses in the following areas: scientific principles of psychology, inferential statistics, learning and personality theory, abnormal psychology, life span development, physiological psychology, history and systems in psychology and general/experimental psychology. Accepted applicants whose transcripts are lacking some areas of proficiency may be asked to complete appropriate courses prior to full acceptance to the program.
6. Must submit scores for the Graduate Record General Examination (GRE) Test. The GRE must have been taken no more than five years before the date of application.
7. It is expected that a student complete all of the requirements for admission to the Graduate School and the Department of Psychology before registering for core classes.

School Psychology: early consideration January 15, deadline March 1, (2) Graduate Studies Office applications, (1) department application, (2) official transcripts, (3) letters of recommendation, (1) cover letter/personal statement, (1) résumé/vita, GRE scores (within five years of application)
Applicants may be invited for a personal interview once applications have been reviewed.
Students accepted will be notified of a general information meeting held preceding the beginning of their first quarter, to provide orientation to institutional and departmental procedures and to provide information about registration.

Student Learning Outcomes—students will:
• know the history and foundations of school psychology; multiple service models and methods; ethical, legal and professional standards; and other factors related to professional identity and effective practice as school psychologists;
• know the varied models and methods of assessment and data collection for identifying strengths and needs, developing effective services and programs and measuring progress and outcomes;
• know the varied models and strategies of consultation, collaboration and communication applicable to individuals, families, groups and systems and methods to promote effective implementation of services;
• understand school and systems structure, organization and theory related to evidence-based practice;
• use data based-decision making to design, implement and evaluate academic, social, emotional and behavioral programs for students at all levels of need.

This program is fully approved by the National Association of School Psychologists (NASP). We adhere to a scientist-practitioner model that prepares students for practice as a school psychologist. Candidates graduating from our program are prepared to receive a Residency Certificate in School Psychology from Washington’s Office of Superintendent of Public Instruction (OSPI) and to become nationally certified school psychologists (NCSP). Coursework, practica and internship are aligned with state and national certification and training standards. Specific areas of training include student and program evaluation (i.e., measurement principles); development of academic and social-behavioral intervention plans (i.e., instructional and behavioral analysis, consultation and counseling); and research (i.e., methods and statistics). The program adopts a preventive focus by training candidates to assess and intervene at the school-wide and at-risk group level. Knowledge and skills are developed through integrated coursework, field experiences and internship. The program duration is three years.

Prerequisites
A bachelor’s degree in psychology or its equivalent is required. Successful completion of undergraduate coursework in child or life-span development, learning, research, measurement and statistics is required. Faculty will evaluate each applicant on an individual basis to determine prerequisite needs.

Course Requirements and Credit Hours
PSYC 505 Applied Learning Theory and Behavior Modification (4)
PSYC 507 Theories of Human Development (4)
PSYC 510 Professional School Psychology I (4)
PSYC 511 Professional School Psychology II (4)
PSYC 512 Professional School Psychology III (4)
PSYC 523 Academic and Social/Behavioral Interventions (4)
PSYC 526 Academic Assessment for School Psychology (4)
PSYC 531 Psychoeducational Groups for Children and Adolescents (4)
PSYC 532 Advanced Research and Statistics I (4)
PSYC 533 Advanced Research and Statistics II (4)
PSYC 543 School-based Individual Intervention (4)
PSYC 553 Social, Emotional and Behavioral Assessment of Children and Adolescents (4)
PSYC 554 Cognitive Assessment (4)
PSYC 558 School Psychology Practicum (12)
Technology requirements for participation (not required for the interview via video conferencing. The equipment needed for the interview consists of a web-camera (can be internal to your laptop or external), a headset with a microphone and a wired Internet connection (wireless tends to be slower and could impact either the video or audio component of the transmission).

All application materials must be received by March 1st for consideration for summer admission. The application file must be complete by March 1st for you to be considered for an interview. All interviews will be conducted via video conferencing. The equipment needed for the interview consists of a web-camera (can be internal to your laptop or external), a headset with a microphone and a wired Internet connection (wireless tends to be slower and could impact either the video or audio component of the transmission).

Student Learning Outcomes—students will:

- know the history and foundations of school psychology; multiple service models and methods; ethical, legal and professional standards; and other factors related to professional identity and effective practice as school psychologists;
- know the varied models and methods of assessment and data collection for identifying strengths and needs, developing effective services and programs, and measuring progress and outcomes;
- know the varied models and strategies of consultation, collaboration and communication applicable to individuals, families, groups and systems and methods to promote effective implementation of services;
- understand school and systems structure, organization and theory related to evidence-based practice;
- use data based-decision making to design, implement and evaluate academic, social, emotional and behavioral programs for students at all levels of need.

This distance-learning program is designed for working professionals and is offered through online coursework with some synchronous and in-person training requirements. Appropriate candidates for the program are educators, counselors and mental health professionals who currently hold a master’s degree in their respective field. We adhere to a scientist-practitioner model that prepares students for practice as a school psychologist. Candidates completing our program are prepared to receive a Residency Educational Staff Associate (RISA) Certificate in School Psychology from Washington’s Office of Superintendent of Public Instruction (OSPI). Students are encouraged to seek national certification through preparation of individual portfolios. Coursework, practica, internship, and portfolio expectations are aligned with state and national training standards. Specific areas of training include student and program evaluation (measurement principles); development of academic and social-behavioral intervention plans (e.g., instructional and behavioral analysis, consultation and home-school collaboration); and research (methods and statistics). The program adopts a preventive focus by training candidates to assess and intervene at the school-wide and at-risk group level. Knowledge and skills are developed through integrated coursework, field experiences and internship. The program duration is two full calendar years, beginning in summer.

Technology requirements for participation (not required for the interview but must be purchased and demonstrated working by the start date): high bandwidth required; access should be through a direct Internet connection (no wireless); computer and browser requirements should follow program recommendations; webcam; headset with microphone and access to a scanner or printer that scans. Full participation throughout the web-conferencing activities and in-residence training is required to actively participate.

Course Requirements and Credit Hours

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>PSYC 505</td>
<td>Applied Learning Theory and Behavior Modification</td>
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<tr>
<td>PSYC 507</td>
<td>Human Development: Research, Theories and Application</td>
<td>4</td>
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<tr>
<td>PSYC 510</td>
<td>Professional School Psychology I (4)</td>
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<td>PSYC 511</td>
<td>Professional School Psychology II (4)</td>
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<td>PSYC 512</td>
<td>Professional School Psychology III (4)</td>
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<td>PSYC 514</td>
<td>Research and Statistics (4)</td>
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<td>PSYC 523</td>
<td>Academic and Social/Behavioral Interventions (4)</td>
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<td>PSYC 526</td>
<td>Academic Assessment for School Psychology (4)</td>
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<td>PSYC 534</td>
<td>Human Neuropsychology (4)</td>
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<td>PSYC 543</td>
<td>School-based Individual Intervention (4)</td>
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<td>PSYC 553</td>
<td>Social, Emotional and Behavioral Assessment of Children and Adolescents (4)</td>
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<td>PSYC 554</td>
<td>Cognitive Assessment (4)</td>
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<td>PSYC 558</td>
<td>School Psychology Practicum (12)</td>
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<td>PSYC 559</td>
<td>Cognitive Assessment Lab (3)</td>
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<td>PSYC 560</td>
<td>School Psychology Consultation (4)</td>
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<td>PSYC 565</td>
<td>Developmental Psychopathology (4)</td>
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<td>PSYC 577</td>
<td>Advanced Diagnostic Assessment (4)</td>
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<td>PSYC 602</td>
<td>Portfolio (6)</td>
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<tr>
<td>PSYC 695</td>
<td>School Psychology Internship (15)</td>
<td></td>
</tr>
</tbody>
</table>

Minimum total credits for above specialist degree 104 credits

MASTER OF SCIENCE IN COUNSELOR EDUCATION

Keely Hope, Program Director 135 Martin Hall 509.359.2439 khope@ewu.edu

All application materials must be received by February 1 for consideration of admission for a fall quarter start. Students applying should follow the procedures for general admission to the EWU Graduate Studies office.

In addition, the following requirements should be met:

1. must meet the requirements of the EWU Graduate Studies office. The Graduate Admission Committee may recommend a limited number of other students with a lower GPA to the Dean of Graduate Studies for admission based upon standard test scores, intervening experiences, and other relevant factors;
2. a student is eligible for consideration for admission to the Department of Psychology programs by having obtained a GPA ≥3.0 for the last 90 quarter or 60 semester graded credits;
3. completion and submission of the Graduate Record Exam (GRE) must be accomplished in time for scores to reach the department by the deadline; the department accepts scores on tests taken within five years of application;
4. applicants who have submitted all requested application materials, postmarked by the deadline date may be invited for a personal interview once the admissions committee has reviewed the application;
5. individuals whose application materials are not postmarked by the application deadline will only be reviewed at the discretion of the admissions committee;
6. application requirements: Graduate Studies Office application, two official transcripts, one department application, three letters of recommendations, one cover letter and resume, one personal statement and GRE Scores.

The Department of Psychology offers a nationally recognized program of studies in counselor education. The program is made up of a theoretical, applied and research-based core curriculum aimed at developing professional counselors who meet national, regional and state certification standards. The program offers two emphases: Master of Science in Counselor Education: Mental Health Counseling; and Master of Science in Counselor Education: School Counseling.

The Council for Accreditation of Counseling and Related Educational Programs (CACREP), a nationally-recognized specialized accrediting body, has conferred accreditation on the Master of Science in Counselor Education: Mental Health Counseling emphasis and Master of Science in Counselor Education: School Counseling emphasis.

Selection Criteria

In addition to general university and departmental requirements, it is desirable to have a BA or BS degree in a behavioral science or human services area. It is not necessary to have a teaching certificate to enter the School Counseling track. Coursework in adjustment, counseling
psychology is recommended. A course in statistics is needed.

Curricular experiences and demonstrated knowledge in each of the eight common core areas are required of all students in the program. The eight common core areas are identified in the CACREP accreditation standards as follows: (1) Professional Identity, (2) Social and Cultural Diversity, (3) Human Growth and Development, (4) Career Development, (5) Helping Relationships, (6) Group Work, (7) Assessment, (8) Research and Program Evaluation. The precise course titles vary from time to time.

A FBI fingerprint check will be required of all counseling students at the beginning of their first quarter in the program. The fee for this check is presently approximately $45 for students admitted to the Mental Health Counseling track and approximately $57 for students admitted to the School Counseling track. (School Counseling students pay a higher fee because of processing through the public school system.) The results will be assessed before advancing students to candidacy. Students will be required to apply for professional affiliations with the American Counseling Association (ACA) for Mental Health Counseling or the American School Counseling Association (ASCA) for School Counseling. Students must provide proof of affiliation and insurance liability coverage within the first quarter of study in the graduate program. Membership applications for the affiliation and insurance programs will be made available in the professional classes offered fall quarter.

Student Learning Outcomes—students will:

- assess community needs, design, implement and evaluate mental health programs and systems-Mental Health Counseling Emphasis;
- provide accurate assessment, diagnosis (where appropriate) and treatment planning for a diverse client population-Mental Health Counseling Emphasis;
- describe the ethical and legal considerations that govern the practice of mental health counseling-Mental Health Counseling Emphasis;
- utilize the American School Counseling Association’s National Model (a framework for school counseling programs) to develop an individual school’s comprehensive program-School Counseling Emphasis;
- describe and apply the counseling theories and techniques that have proven to be the most applicable to the K–12 school population-School Counseling Emphasis;
- describe and utilize the laws and ethics that govern the school counseling profession-School Counseling Emphasis.

MENTAL HEALTH COUNSELING EMPHASIS

The Master of Science in Counselor Education: Mental Health Counseling emphasis is designed for students wishing preparation as counselors in residential treatment centers, employment services and vocational rehabilitation services. Mental health counselors are also frequently found in the juvenile correction facilities, community colleges, pastoral services and business and industry.

Classes and experiences are organized around four objectives: (1) a thorough preparation in foundation skills and principles; (2) a functional mastery of techniques in various therapy modes; e.g., cognitive, affective, behavioral; (3) coverage of principles, issues and trends in the psychology of counseling; and (4) self-awareness as it relates to the counseling process. Practical application is stressed. Students are provided early and continuous skill practice with personalized feedback and coaching. Continuous opportunities for expanding awareness of the self of the counselor will be provided.

The program is both extensive and comprehensive. It is nationally accredited by CACREP and fulfills education requirements for licensure for mental health counselors. Graduates will complete the NBCC exam for National Counselor Certification.

Course Requirements and Credit Hours

<table>
<thead>
<tr>
<th>Course Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>PSYC 567 Professional Issues in Mental Health Counseling</td>
<td>3</td>
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<tr>
<td>PSYC 580 Consultation in the Counseling Profession</td>
<td>2</td>
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<tr>
<td>PSYC 583 Group Experience</td>
<td>1</td>
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<tr>
<td>PSYC 585 Group Theory</td>
<td>2</td>
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<tr>
<td>PSYC 585 Group Process in Counseling</td>
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<tr>
<td>PSYC 587 Addictive Behavior Counseling</td>
<td>4</td>
</tr>
<tr>
<td>PSYC 588 Crisis Intervention and Trauma Counseling</td>
<td>4</td>
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<tr>
<td>PSYC 590 Diversity Counseling</td>
<td>3</td>
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<tr>
<td>PSYC 602 Portfolio</td>
<td>3</td>
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<tr>
<td>PSYC 694 Practicum</td>
<td>12</td>
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<tr>
<td>PSYC 697 Internship</td>
<td>20</td>
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</tbody>
</table>

Successful completion of both a written comprehensive examination of conceptual attainments and an oral interview of practical applications is required.

Minimum total credits for above master’s degree: 93 credits

SCHOOL COUNSELING EMPHASIS

The Master of Science in Counselor Education: School Counseling emphasis is designed for students wishing preparation as counselors in school settings, primarily public schools. Classes and experiences are organized to provide thorough grounding in the skills and knowledge generally recognized by the counseling profession. The program is accredited by CACREP and exceeds the Washington state requirement for ESA-School Counselor Certification.

Practical application is stressed and students are provided early and continuous skill practice with personalized feedback and coaching. Continuous opportunities for expanding awareness of the self of the counselor will be provided.

Course Requirements and Credit Hours

<table>
<thead>
<tr>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>PSYC 506 Counseling Development and Transition Across the Lifespan</td>
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<tr>
<td>PSYC 509 Classroom Management for the School Counselor</td>
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<tr>
<td>PSYC 520 Tactics of Psychological Research</td>
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<td>PSYC 540 Professional School Counseling</td>
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<td>PSYC 542 Career Counseling</td>
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<td>PSYC 544 Counseling Theory and Techniques</td>
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<td>PSYC 547 Assessment in School Counseling</td>
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<tr>
<td>PSYC 548 Counseling Children and Adolescents</td>
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<tr>
<td>PSYC 569 Family Systems and Parent Education</td>
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<tr>
<td>PSYC 575 DSM Treatment Issues for Counselors</td>
<td>4</td>
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</tbody>
</table>

Minimum total credits for above master’s degree: 93 credits

PSYCHOLOGY continued

MASTER OF SCIENCE IN PSYCHOLOGY

Dennis Anderson, Program Director

135 Martin Hall
509.359.2087 danderson2@ewu.edu

Admission Requirements/Preparation

Early consideration deadline for completed applications is January 15. All application materials must be received by March 1 for consideration of admission for a fall quarter start. Students applying should follow the procedure for general admission to the EWU Graduate School. In addition, the following requirements should be met:

1. must meet the requirements of the Graduate School. The Graduate Admission Committee may recommend a limited number of other students with a lower GPA to the Dean of Graduate Studies for admission based upon standard test scores, intervening experiences and other relevant factors;
2. a student is eligible for consideration for admission to the Department of Psychology programs by having obtained a GPA ≥3.0 for the last 90 quarter or 60 semester graded credits;
3. completion and submission of the Graduate Record Examination (GRE) must be accomplished in time for scores to reach the department by the deadline. The department accepts scores on tests taken within five years of application;
4. must submit department application directly to the Department of Psychology, a vita/résumé, and a statement of intent for admission to the Psychology Graduate Program;
5. must send three letters of recommendation to the Department of Psychology, preferably all from academic sources;
6. must have a bachelor’s degree in psychology or its equivalent. Ordinarily, the applicant’s transcript must show evidence of courses in the following areas: scientific principles of psychology, inferential statistics, learning and personality theory, abnormal psychology, life span development, physiological psychology, history and systems in psychology and general/experimental psychology. Accepted applicants whose transcripts are lacking some areas of proficiency may be asked to complete appropriate courses prior to full acceptance to the program;
7. it is expected that a student complete all of the requirements for admission to the Graduate School and the Department of Psychology before registering for core courses. Students accepted will be notified of a general information meeting held preceding the beginning of their first quarter, to provide orientation to institutional and departmental procedures and to provide information about registration.

Student Learning Outcomes—students will:

• comprehend the discourse of psychology and communicate using the conventions of the discipline;
• be familiar with the historical context in which important theories in psychology were developed;
• develop expertise in the broad science of psychology, including advanced knowledge in research methods, statistics, biological psychology, multicultural issues, history and systems of psychology, and human learning;
• pose research questions and devise research strategies to answer them, including the use of quantitative or qualitative methods;
• gather information from many sources and present persuasive arguments, learn the primary ethical principles of psychologists and recognize basic ethical issues and violations and be guided accordingly.

The Master of Science in Psychology is intended to prepare students to be master’s-level practitioners or to pursue further graduate study in the clinical or experimental areas. A set of core classes provides students in the program with foundational knowledge in the discipline that includes methods classes that impart research and data analysis skills. Obtaining a Master of Science in Psychology ordinarily takes two years, including summer quarter following the first year. Students are admitted to either a clinical or experimental concentration. Beyond the core classes, the clinical concentration provides additional foundational and applied courses that emphasize clinical knowledge and skills. In addition to the core courses, students in the general/experimental concentration design coursework and research experience in consultation with a faculty advisor to match the interest of the students with the expertise of the department faculty.

All students in the program are required to take the following set of core courses.

Required Core
PSYC 503 Proseminar: Scientific Methods (4)*
PSYC 522 Advanced Statistics (5)*
PSYC 554 Human Neuropsychology (4)*
PSYC 537 Advanced Psychopathology (4)*
PSYC 538 Research Topics (1) *
PSYC 559 Seminar in Special Topics (2) (total)*
PSYC 600 Thesis (minimum) (6)
or PSYC 601 Research Report (6)
PSYC 694 Practicum (16)

Total core credits 42 credits

Students must successfully complete the courses marked with an asterisk during the first three quarters of enrollment in order to continue in the program without a significant delay or required remediation plan during the second year of study. Elective courses may be added to a student’s program of study upon agreement with the program director.

CLINICAL CONCENTRATION
The clinical concentration is designed for students who are interested in becoming master’s-level mental health providers in private practice, mental health centers, hospitals or social service agencies, or who are pursuing pre-doctoral studies to support application to doctoral programs in clinical or counseling psychology. All students in the clinical concentration are required to take the following set of courses in addition to the core classes:

Required Courses
PSYC 504 Proseminar: Learning and Behavior Therapy (4)
PSYC 508 Professional Issues (2)
PSYC 551 Foundation of Psychotherapy (5)
PSYC 554 Cognitive Assessment (4)
PSYC 555 Clinical Practice in Cognitive Assessment (3)
PSYC 556 Personality and Behavioral Assessment (4)
PSYC 557 Clinical Practice in Personality and Behavioral Assessment (4)
PSYC 694 Practicum (4)

Electives
In addition to the above course requirements, students with a clinical emphasis are required to take a minimum of twelve (12) elective credits from courses chosen with an advisor in accord with the following elective course guidelines:
1. 400 level or graduate courses within psychology and related fields
2. specific emphases such as alcohol and drug studies, interdisciplinary aging, diagnosis and treatment of children and adolescents, school psych issues, behavioral health, psychology of women, computerized research and analysis, positive psychology, business, children’s studies, technical writing, etc.
3. specific courses of interest to the student in related departments (e.g. PSYC, Social Work)
4. EWU weekend college courses

Total clinical concentration credits
Minimum total credits for master’s degree, clinical concentration

GENERAL/EXPERIMENTAL CONCENTRATION
The concentration in general/experimental psychology is designed to prepare students for research or teaching in psychology. Methodology and both basic and applied research are emphasized. Students are prepared to enter doctoral programs or to seek employment in appropriate master’s-level positions. Curricula plans, in addition to the 42 credit hours of core courses, should include a minimum of 26 credits of elective courses chosen with an advisor in accord with the elective courses guidelines shown below. Students particularly interested in acquiring college-level instruction skills should consider courses from the Department of Education.

Elective Courses
Additional graduate courses are offered within the department and may be taken by students in any program of study. Moreover, with the appropriate Program Director’s approval, the following type of courses may be taken as part of the student’s graduate program of study:
1. 400-level or graduate courses within psychology
2. specific emphases such as addiction studies, interdisciplinary aging, diagnosis and treatment of children and adolescents, school psychology issues, behavioral health, computerized research and analysis, forensic psychology, physiological psychology, positive psychology or others
3. specific courses in related, relevant departments, such as Counseling, Educational and Developmental Psychology (PSYC) or Social Work, with permission of the instructor and program director
4. EWU weekend college courses

Total core credits
Total general/experimental concentration credits
Minimum total credits for master’s degree, general/experimental concentration

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Psychology Courses

Terms offered: check with the department or EAGLENET.

PSYC 100 General Psychology (5)
Satisfies: GEQR for social sciences, list 2, anthropology, geography, psychology and sociology.

An introductory survey of psychology as the scientific study of behavior and thought; an overview of the areas of psychology and their development; methods in psychology; biological, sensory and developmental influences on behavior; psychological and cognitive components of behavior; theories of learning; a survey of theories of normal and abnormal behavior; principles of psychotherapy; personality theory and testing; and social influences.

PSYC 190 Risky Behavior (2)
The course will explore, discuss and teach skills that are alternatives for managing risky behavior. Topics that will be covered include decision-making, sexually transmitted infections, sexual assault, alcohol and other drug use, and ways of combating risky behavior including birth control and abstinence, assertiveness and self-management techniques.

PSYC 201 Life Span Development (4)
Satisfies: GEQR for social sciences, list 2, anthropology, geography, psychology and sociology.

This course will provide students with a current analysis of the most widely used psychological tests in schools, professional training programs, business, industry, the military and clinical settings. Students will learn how psychological tests are constructed, how they are used and how an understanding of them can make a difference in their careers and everyday lives. Issues of fairness, bias and social consequences for assessment and interpretation with diverse populations will be addressed.

PSYC 295 Internship (1–5)
Prerequisites: permission of the department internship director and the department chair and the university Career Services Internship office.

Individualized learning and career development through an off-campus internship. An internship agreement-learning contract form is required and can be picked up prior to registration, along with information about placements and procedures from the Career Services Internship office. Two sections are available, one for psychology majors, one for non-psychology majors.

PSYC 299 Directed Studies (1–6)
Prerequisites: permission of the instructor and the department chair.

An objective and comprehensive study of the major theories of personality.

PSYC 302 Abnormal Psychology (5)
Prerequisite: PSYC 201.

Explores and evaluates research and theoretical concepts relating to deviant and abnormal behavior.

PSYC 303 Foundations of Psychotherapy (5)
Prerequisites: PSYC 301 and PSYC 302.

Survey of theories of psychotherapy dealing with psychopathology. Particular attention is given to the effectiveness of therapy construction. Evaluates the role of intervening variables and logical consistency.

PSYC 304 Educational Psychology (5)
Prerequisites: PSYC 201 recommended.

Principles of learning and development as applied to improvements in classroom instruction.

PSYC 305 Child and Adolescent Development (4)
Prerequisites: ENGL 201, math proficiency recommended.

Mental, physical, social and emotional development from infancy through adolescence.

PSYC 306 Adult Development (4)
Prerequisites: ENGL 201, math proficiency recommended.

Covers the processes, evidence, theories and socio-cultural influences on adults.

PSYC 307 Psychology of Adjustment (5)
Prerequisites: ENGL 201, math proficiency recommended.

A psychological approach to human behavior, growth and change.

PSYC 309 Scientific Principles of Psychology (5)
Prerequisite: PSYC 304, PSYC 315 or permission of the instructor.

The study of the methodology and attitudes of psychology irrespective of any special area. Considers techniques for evaluating information, discovering invalid interpretations and uncovering alternative explanations. These are illustrated by reading research articles and classroom discussion of the articles and of popular beliefs.

PSYC 313 Research Methods in Psychology (5)
Prerequisites: PSYC 309, ENGL 201, PSYC 309.

An introduction to typical research methods used in psychology. Students complete several research projects reflecting these various methods.

PSYC 314 Tests and Measurements (5)
Prerequisites: CSBS 321.

This course will provide students with a current analysis of the most widely used psychological tests in schools, professional training programs, business, industry, the military and clinical settings. Students will learn how psychological tests are constructed, how they are used and how an understanding of them can make a difference in their careers and everyday lives. Issues of fairness, bias and social consequences for assessment and interpretation with diverse populations will be addressed.

PSYC 315 Psychology of Human Relations (4)
Prerequisite: ENGL 201; math proficiency recommended.

Helps develop your understanding and skill in interpersonal relationships concerning professional consultation and/or counseling.

PSYC 316 Human Memory and Cognition (5)
Prerequisite: junior level standing or permission of the instructor.

Examination of theoretical principles and theories of human memory and selected topics in cognitive psychology.

PSYC 317 Health Psychology (5)
Prerequisite: PSYC 309.

An introduction to the psychological influences on health including both wellness and illness; a focus on the etiology and correlates of health and illness as well as the prevention and treatment of illness. Exploring the psychological dynamics at work in utilization of the health care system and patient-practitioner interactions. Specific coverage of the illness process in pain, lung disease, stress, chronic illness and AIDS.

PSYC 318 Computerized Research Techniques in Psychology (4)
Prerequisite: CSBS 321 or PSYC 309.

Introduces the use of computers in psychological research through software that inexperienced users can program by filling out forms. Hands-on experience on the system will be acquired during the first two to three weeks. Recent experimental findings in a number of research areas will be introduced. Working individually or in small groups, students will select a problem for study and develop a method of investigation using the software system.

PSYC 320 Developmental Theories and Applications (4)
Prerequisites: PSYC 305, PSYC 315 or permission of the instructor.

Covers principles and concepts of major theories of human development, evaluation of theories, appreciation of alternative views of development and alternative strategies for enhancing development.

PSYC 323 Drugs and Behavior (5)
Prerequisite: PSYC 100 recommended.

An introduction to the action, use, and abuse of psychoactive agents from analgesics to hallucinogens. Special attention given to drug abuse.

PSYC 324 Conditioning and Learning (4)
Prerequisite: junior standing.

A study of human learning emphasizing conditions for acquisition, learning structures, learning sets, levels of learning and measurement.

PSYC 325 Cognitive and Behavioral Change (4)
Prerequisite: PSYC 309.

This course is designed to examine various cognitive and behavioral change procedures in terms of their theoretical basis and applied strategies. Operant, respondent, social learning and cognitive theories and their applications will be studied. Students will be required to engage in a self-change project throughout the quarter in order to better understand the principles of cognitive and behavioral change.

PSYC 331 Psychology of Women (4)
Cross-listed: WAST 331.

Prerequisite: completion of ENGL 201 or equivalent.

Satisfies: cultural and gender diversity university graduation requirement.

The psychology of women in terms of their bodies, socialization, personality, affiliation and achievement motivations, abnormal behavior patterns, therapy and personal growth needs.

PSYC 338 Discovering Women in Science (1)
Cross-listed: BMX, CHEM, GEOI, HIST, PHYS, WAST 338.

The course uses several scientific themes to rediscover from the past and find in contemporary research the women who have made significant contributions to science.

PSYC 340 Emotion and Emotional Intelligence (5)
Prerequisite: PSYC 100 or equivalent.

This course explores the psychology of emotion and how emotion impacts behavior and experience. This class investigates what emotion is, how it can be measured, basic theories of emotion and what factors contribute to the different emotional states. Issues related to emotional intelligence will also be explored, with particular emphasis on emotion identification, understanding and regulation.

PSYC 344 Introduction to the Helping Professions (4)
Prerequisite: PSYC 305, PSYC 315.

This course provides students with an introduction to the helping professions, their specializations, history and ethics issues. Content includes communication skills, blocks to personal effectiveness and sequential stage model of problem solving for helpers.

PSYC 359 Human Sexuality (5)
Satisfies: GEQU for psychological, biological and cultural perspectives of human sexual behavior. The basis for successful functioning; frequency and significance of various types of sexual behavior; anatomy and physiology of reproduction; sexual inadequacy and deviations.

PSYC 381 Social Psychology (5)
Prerequisite: PSYC 309 recommended.

Individual behavior as socially determined: interpersonal attraction, aggressiveness, attitude formation, group dynamics, conformity and leadership.

PSYC 395 Internship (1–5)
Prerequisites: permission of the department internship director and the department chair.

Individualized learning and career development through an off-campus internship. An internship agreement-learning contract form is required and can be picked up prior to registration, along with information about placements and procedures from the Career Services Internship office. Two sections are available, one for psychology majors, one for non-psychology majors.

PSYC 398 Seminar (1–5)
Prerequisite: permission of the instructor and the department chair.

PSYC 399 Directed Studies (1–6)
Prerequisites: permission of the instructor and the department chair.

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PSYCHOLOGY continued
PSYC 402 Behavior Modification (4)
Prerequisites: PSYC 305, PSYC 324 or permission of the instructor.
Behavior modification provides an in-depth exposure to the principles, concepts and procedures from both behavioral and cognitive theories as applied to individuals, couples, and families, organizational groups and community settings.

PSYC 404 Psychology of the Gifted/ Talented Child (3)
Prerequisite: PSYC 304 or permission of the instructor.
Giftedness and talent from a psychological perspective. Seminar format covers issues of development, measurement, theories, prediction and special needs.

PSYC 417 Pediatric and Adolescent Health Psychology (4)
Prerequisite: PSYC 402 or permission of the instructor.
An examination of health factors affecting developmental outcomes. There will be an emphasis on the health aspects of development and how to maintain and improve health-related behaviors in children and adolescents.

PSYC 420 Biological Basis of Behavior (5)
Prerequisite: PSYC 309.
Organic foundations of behavior.

PSYC 421 Care and Custody of Female Offenders (5)
Cross-listed: WMST 421.
Prerequisite: junior standing.
Satisfies: cultural and gender diversity university graduation requirement.
This course explores the care and custody of female offenders in the criminal justice system, with particular focus on psychological factors and mental health treatment.

PSYC 425 Psychology and the Legal System (5)
Prerequisite: PSYC 100 or permission of the instructor.
This course is designed to provide an introduction to the field of forensic psychology. The course provides an overview of the role of mental health professionals in correctional settings and in conducting forensic evaluations.

PSYC 427 Psychology of Intimate Relationships (5)
Prerequisite: PSYC 100 and junior standing or permission of instructor.
This course explores how social scientists think about study, research and treat intimate relationships. Issues of communication, gender, sexual orientation and culture are explored within the context of intimate relationships.

PSYC 430 Human Psychophysiology (5)
Prerequisite: CSRES 209.
An overview of the following topics: automatic nervous system, biofeedback, clinical applications, emotion, instrumentation, measurement, pain, psychology of sleep, sleep, social aspects of physiological processes and stress. Laboratory includes: biofeedback, blood flow, ECG, EDR, EEG, EMG and respiration. Course is especially suited for students of the health sciences.

PSYC 431 Stress and Coping (3)
Examines the psychological, physiological and health consequences resulting from selected psychological and environmental stresses. Psychological stressors include personality type, social disorganization, competition and conflict. Environmental stressors include cold, heat, hypo- and hyperbaric pressures and exercise. Examines coping responses such as biofeedback, progressive relaxation, autogenic training and physiological adaptation.

PSYC 433 Introduction to Compassion Focused Therapy (3)
Prerequisite: PSYC 302 preferred.
This course presents students with the theoretical background and approach to psychotherapy taken in Compassion Focused Therapy (CFT). CFT is based in evolutionary psychology, affective neuroscience, cognitive-behavior therapy and centuries-old mindfulness and compassion practices. Students learn to understand emotional difficulties and work with them.

PSYC 440 Happiness and Positive Psychology (5)
Prerequisite: junior standing.
Happiness has been a neglected topic in psychology and yet is an important human pursuit. This class investigates what happiness is, how it can be assessed and what factors facilitate happiness. Other human virtues important to well-being such as gratitude, wisdom, courage, humanity, justice, temperance and transcendence are explored.

PSYC 450 Trauma: Theory, Assessment and Treatment (4)
Prerequisite: PSYC 302 recommended.
This class explores traumatic experience in terms of substance, impact and reactions, including the assessment and treatment of trauma-related psychopathology.

PSYC 452 Social Influence (4)
Prerequisite: junior standing or permission of instructor.
This course focuses on topics pertaining to social influence, including obedience, compliance and persuasion. The course covers both intentional and unintentional forms of influence from a psychological perspective.

PSYC 456 Teaching and Skills Training in the Management of Risky Behavior (3)
Prerequisite: PSYC 190.
The course provides guided experiences in developing skills to be a peer-facilitator for PSYC 190. Both knowledge and teaching skills will be explicitly taught and practiced. Such knowledge and skills are necessary in facilitating PSYC 190.

PSYC 470 Childhood Psychopathology and Treatment (5)
Prerequisite: junior standing.
This course focuses on psychopathological disorders of childhood and adolescence, critically attending to normal and abnormal developmental sequences. Attention is given to the diagnosis and implications of such disorders and to clinical intervention methods.

PSYC 474 Cultural Psychology (5)
Prerequisite: PSYC 100.
Satisfies: international studies university graduation requirement.
This course investigates the literature and methods involved in the psychological study of people from different cultures—both subcultures within the US and peoples from around the world. It also addresses the question of universality of psychological phenomenon.

PSYC 476 Child and Family Guidance (4)
Prerequisites: PSYC 305, PSYC 324 or permission of the instructor.
The interaction between parents and children, the development and socialization of the child within the family and the relationship of the family to the school and community from a developmental perspective. Approaches to child rearing, management, discipline and communication for parents, teachers and other child care personnel are presented. Also examined family social support functions and considers multicultural issues in child socialization and guidance. Appropriate for present and future parents, teachers and child care personnel.

PSYC 481 Prejudice and Stereotyping (5)
Prerequisite: PSYC 381 or instructor permission.
The course Prejudice and Stereotyping is a 5 credit discussion course that examines the social psychological underpinnings of prejudice, stereotyping and discrimination. The course will address specific types of prejudice such as sexism and racism, individual differences and cognitive states that can lead to prejudice, the effect of prejudice on its targets and reducing prejudice.

PSYC 483 Group Dynamics (5)
Prerequisites: PSYC 313, PSYC 344 or permission of the instructor.
Introduces the principles formed through the scientific study of small-group dynamics and considers the issues and problems arising in the study of groups.

PSYC 484 Child Abuse: Recognition and Intervention Strategies (3)
This course will focus on recognition of abuse in children and specific intervention strategies for their social/emotional needs. Physical, emotional and sexual abuse will be addressed along with factors of recognition for each of these areas of abuse. Specific common indicators of abuse will be looked at as well as the impact on the social, emotional, cognitive and behavioral realm of children.

PSYC 485 ADD/ADHD in the Schools (3)
This course will provide the skills needed to help minimize the everyday struggles encountered while working with these behaviors. Areas to be addressed include characteristics of AD/HD, common treatment approaches, myths about AD/HD and matching interventions to behaviors.

PSYC 490 Senior Capstone: The Tradition of Psychology (6)
Prerequisites: CSRS 320, PSYC 309 and PSYC 313.
Satisfies: senior capstone university graduation requirement.
This course fulfills the university capstone requirement and may also be used as an elective within the department’s major. The course consists of three components: (a) the history of psychology, (b) a collaborative project and (c) portfolio preparation.

PSYC 490A Senior Capstone: Developmental Psychology Senior Seminar (4)
Satisfies: senior capstone university graduation requirement.
The course is designed to help students make the transition from the academic world to the world of work and civic life or to a higher level of academic achievement. The primary goal for the student’s successful transition will be accomplished via the process of application. The course is designed also as an end-of-program assessment tool. The basic assumption is that the developmental coursework has equipped the students with the knowledge of developmental theories, counseling strategies, research methods, and assessment procedures. This capstone will test the student’s ability to apply the course work to real-world situations. The course objectives are organized to facilitate the process of application.

PSYC 490B Senior Capstone: Minds and Vines: Psychology of Wine (4)
Prerequisites: senior standing, 21 years of age and declared major.
Satisfies: senior capstone university graduation requirement.
The goal is for students to integrate their knowledge and hone their psychological problem-solving skills in diverse areas. The integration will include (a) the history and culture of wine, (b) sensory discrimination and marketing of wine, (c) the positive and negative impact of wine on biological and psychological health and (d) the treatment of the latter effects.
PSYC 491 Senior Thesis (4)  
Prerequisite:  
Satisfies:  
 Seniors, graduate students in psychology.  
Directed research resulting in a formal write-up.  
Limited to those students for whom research experience will be helpful in obtaining entrance to graduate school.

PSYC 492 Field Study in Child Issues and Problems (4)  
Prerequisite:  
PSYC 305, 320 or other inferential statistics class.

This course introduces students to professional human service settings through shadowing a professional in the community. Students are expected to enroll in this course over two consecutive quarters.

PSYC 493 Field Study in Adolescent Issues and Problems (4)  
Prerequisite:  
PSYC 305, 324 some senior, major courses and faculty advisement.

This course introduces students to professional human service settings through shadowing a professional in the community. Students are expected to enroll in this course over two consecutive quarters.

PSYC 494 Field Study in Adult Issues and Problems (4)  
Prerequisite:  
PSYC 305, PSYC 324 some senior, major courses and faculty advisement.

This course introduces students to professional human service settings through shadowing a professional in the community. Students are expected to enroll in this course over two consecutive quarters.

PSYC 495 Internship (1–15)  
Prerequisite:  
permission of the instructor, department chair and college dean.

Individualized learning and career development through an off-campus internship. An internship agreement-learning contract form is required and can be picked up in the registration, along with information about placements and procedures from the Career Services Internship Office. Two sections are available, one for psychology majors and one for non-psychology majors.

PSYC 496 Experimental Course (1–5)

PSYC 497 Workshops, Short Courses, Conferences (1–5)

PSYC 498 Seminar (1–5)

PSYC 499 Directed Study (1–5)  
Prerequisite:  
permission of the instructor and the department chairman.

Introduction to logic of scientific method, decision making, hypothesis testing, measurement and model and theory construction.

PSYC 500 Proseminar: Scientific Methods (4)  
Prerequisite:  
PSYC 305, 324 some senior, major courses and faculty advisement.

An intensive survey of important learning phenomena as they relate to theoretical issues and controversies. Consideration of methodological problems.

PSYC 501 Proseminar: Learning and Behavior Therapy (4)  
Prerequisite:  
graduate standing.

This course explores the care and custody of female offenders in the criminal justice system, with particular focus on psychological factors and mental health treatment.

PSYC 502 Advanced Statistics (5)  
Prerequisite:  
PSYC 501.

Thematic approach to statistical methods and second semester graduate work in psychology. Includes computerized research and statistical software. This course will assist students in understanding the link between assessment and intervention. School-wide Academic and Behavioral Assessment and Interventions, supplemental programs and intensive interventions will be addressed. Students will gain knowledge regarding early intervention, prevention and evidenced based academic and behavioral programs within Pre K–12 schools.

PSYC 503 Proseminar: Field Study in Child Issues and Problems (4)  
Prerequisite:  
Graduate standing or permission of the instructor.

This course introduces students to professional human service settings through shadowing a professional in the community. Students are expected to enroll in this course over two consecutive quarters.

PSYC 504 Proseminar: Field Study in Adolescent Issues and Problems (4)  
Prerequisite:  
Graduate standing or permission of the instructor.

This course introduces students to professional human service settings through shadowing a professional in the community. Students are expected to enroll in this course over two consecutive quarters.

PSYC 505 Proseminar: Field Study in Adult Issues and Problems (4)  
Prerequisite:  
Graduate standing or permission of the instructor.

This course introduces students to professional human service settings through shadowing a professional in the community. Students are expected to enroll in this course over two consecutive quarters.

PSYC 506 Directed Study (1–15)  
Prerequisite:  
permission of the instructor.

This course is designed to provide an introduction to the field of forensic psychology. The course provides an overview of the role of mental health professionals in correctional settings and in conducting forensic evaluations.
PSYC 526  Academic Assessment for School Psychology (4)
Prerequisite: admission to psychology graduate program.
An in-depth review of the purposes and methods of academic assessment in school psychology practice. The course focuses on the administration of various academic, behavioral, and psychological measures. The emphasis is on the interpretation of the scores obtained from the instruments for use in making data-based decisions. Special attention will be given to the applicability of assessments to diverse student populations.

PSYC 530  School Counselor ProCert Culfusing Seminar (3)
Prerequisite: admission to the school counselor professional certificate program.
Spring quarter. Candidates will complete the school year’s work on their professional growth plan that will culminate with a panel presentation and a completed portfolio. The presentation will highlight the school year’s work on Standard Six. The entire professional growth plan portfolio will also be evaluated.

PSYC 531  Psychoeducational Groups for Children and Adolescents (4) S
Prerequisite: admission to the graduate program in school psychology or permission of instructor.
This course examines the theory, assessment and application of different types of psychoeducational groups for children and adolescents in school and agency settings. In addition to didactic learning, students will be required to participate in and lead a psychoeducational group.

PSYC 532  Advanced Research and Statistics I (4)
Prerequisite: accepted to psychology graduate program.
In this course you will learn the basics of research design and analysis for the behavioral sciences. We will be covering concepts, applications techniques for designing and evaluating research studies for both field and laboratory research.

PSYC 533  Advanced Research and Statistics II (4)
Prerequisite: accepted to psychology graduate program.
In this course you will continue to learn the basics of research design and analysis for the behavioral sciences. In this course our primary focus will be the natural science of psychology and single subject (small n) research methods and analysis.

PSYC 534  Human Neuropsychology (4) F
Prerequisite: admission to psychology MS program or school psychology program or instructor permission.
The relationships between physiological processes and behavior.

PSYC 535  Introduction to Mental Health Counseling (4)
Prerequisite: admission to the graduate counseling program: mental health counseling emphasis.
An introduction to the profession of mental health counseling. The course will emphasize historical, philosophical, professional, ethical and public policy perspectives. The focus is on the role of the counselor with various clientele.

PSYC 537  Advanced Psychopathology (4) F
Prerequisite: admission to psychology MS program or graduate standing and instructor permission.
This course is designed to teach strategies in diagnosing mental disorders and to evaluate the most current treatment modalities. Problems of cultural diversity and ethnic differences are explored.

PSYC 538  Research Topics (1–5)
Note: may be graded Pass/No Credit.
This course introduces incoming graduate students in the Psychology Department’s MS program to research interests of the department faculty. Lectures cover theory and previous work on problems of interest, design of recent experimental investigations and analysis of experimental data. Students participate in discussions with lectures and develop their own research interests through meetings with selected faculty.

PSYC 539  Seminar in Special Topics (1–5)
Note: may be graded Pass/No Credit.

PSYC 540  Professional School Counseling (4)
Prerequisites: admission to the graduate program; school counseling emphasis or permission of instructor.
The development of the school counseling profession; counseling functions within systems; the structure and management of school counseling programs.

PSYC 542  Career Counseling (4)
Prerequisites: admission to the graduate counseling program: mental health or school counseling emphasis or permission of instructor.
Career development theory: educational and vocational information; career decision-making processes; components of school or community career programs.

PSYC 543  School-based Individual Interventions (4)
Prerequisites: admission to the graduate program in school psychology.
A general introduction to the theory and process of providing individual psychopathological services to children and adolescents in the schools. Particular attention will be paid to ethical issues and the importance of providing culturally sensitive intervention.

PSYC 544  Counseling Theory and Techniques (4)
An introduction to principles of counseling and a survey of contemporary theories and techniques.

PSYC 545  Appraisal in Mental Health Counseling (4)
Prerequisites: admission to the graduate program: mental health counseling emphasis or permission of instructor.
The administration, scoring and interpretation of standardized tests in the mental health counseling profession. Includes a focus on testing ethics, sources of testing bias and diversity issues in assessment, as well as the use of interview assessment/mental status exam and psychological testing for treatment planning.

PSYC 547  Assessment in School Counseling (4)
Prerequisite: admission to the graduate program: school counseling emphasis or permission of instructor.
The use of assessment techniques in the school counseling setting, including standardized instruments, sand play and observation. Includes a focus on testing ethics, sources of testing bias, diversity issues, implications of high stakes testing and effective use of assessment in counseling outcomes.

PSYC 548  Counseling Children and Adolescents (4)
Prerequisites: admission to the graduate program: mental health or school counseling emphasis or permission of instructor.
Counseling principles and techniques as applied to children and adolescents will be presented and analyzed.

PSYC 550  Trauma: Theory, Assessment and Treatment (4)
Prerequisite: ungraded B.A./B.S. degree in psychology or related field.
This class explores traumatic experience in terms of substance, impact and reactions, including the assessment and treatment of trauma-related psychopathology.

PSYC 551  Foundation of Psychotherapy (5)
Prerequisite: admission into psychology MS program with clinical emphasis or instructor permission.
Main types of psychotherapy with emphasis upon those which primarily rely on verbal exchanges between the counselor and the therapist. Practical application of techniques will be experienced.

PSYC 552  ESA Peer Review: School Psychologists (3)
Prerequisite: permission of the instructor.
This course is designed to fulfill the requirements specified in the Washington Certification Handbook and the Washington Administrative Code for Continuing Certification of School Psychologists. The major emphases of this course are on documenting the knowledge and skills of practicing school psychologists and providing a forum for peer review based on contemporary standards of practice. Required peer review course for continuing ESA certification.

PSYC 555  Clinical Practice in Psychology and Behavioral Assessment (3)
Prerequisite: admission to psychology MS program with clinical emphasis.
This course will provide in-depth training in cognitive assessment, including intelligence, memory, academic and special abilities testing.

PSYC 556  Personality and Behavioral Assessment (4) W
Prerequisite: admission to psychology MS program or school psychology program.
This course focuses on assessment techniques utilized to examine emotional and behavioral functioning in children and adolescents. A problem solving approach is utilized with training in reviewing, interviewing, observing and testing children. Major tests considered and applied within this course include broad rating scales such as the Achenbach and BASC systems and narrow rating scales utilized to diagnose more specific disorders.

PSYC 557  Clinical Practice in Personality and Behavioral Assessment (4) W
Prerequisite: PSYC 556.
Supervision of practice testing with projective techniques, structured personality instruments and teacher, parent and self-report rating scales.

PSYC 558  School Psychology Practicum (1–8)
Note: credit/no credit.
Supervised experience of school psychology students in assessment, intervention, and consultation, as well as professional and ethical areas.

PSYC 559  Cognitive Assessment Lab (3)
Prerequisite: must be in school psychology program and permission of the instructor.
School Psychology graduate students take this course concurrently with PSYC 554 Cognitive Assessment. Students will administer, score, report and interpret published norm-referenced measures of intelligence, memory, achievement, perception, adaptive and special abilities typically used in educational environments.
PSYC 550 School Psychology Consultation (4)
Prerequisite: admission to the graduate program in school psychology.
This course focuses on the history and principles of collaborative consultation and their application within the school setting. While traditional models of consultation are taught (organizational, behavioral and mental health), this course explores the key components to developing healthy family-school relationships and requires students to work with parents and teachers in a Consultation. Consultation with systems as a preventive strategy is also emphasized and students complete a school-wide analysis project.

PSYC 555 Developmental Psychology (4)
This course focuses on psychopathological disorders of childhood and adolescence, critically attending to normal and abnormal developmental sequences. Attention is given to the diagnosis and implications of such disorders and to clinical and educational intervention methods.

PSYC 556 Developmental Psychopathology and Clinical Neuroscience I (4)
This is the first course in a two-quarter sequence of instruction that focuses on describing and understanding psychopathological disorders of childhood and adolescence. A critical emphasis is placed on the neurobiological influences that underlie typical and atypical developmental sequences. Attention is also given to the diagnosis and implications of such disorders and to clinical and educational intervention methods.

PSYC 557 Developmental Psychopathology and Clinical Neuroscience II (4)
This is the second course in a two-quarter sequence of instruction that focuses on describing and understanding psychopathological disorders of childhood and adolescence. A critical emphasis is placed on the neurobiological influences that underlie typical and atypical developmental sequences. Attention is also given to the diagnosis and implications of such disorders and to clinical and educational intervention methods.

PSYC 559 Family Systems and Parent Education (4)
Prerequisite: admission to the graduate program; mental health or school counseling emphasis or permission of instructor.
The foundations of family systems theory. Examines the interaction between parents, development of the child and the relationship of the family to the school and community. Approaches to child rearing, management and discipline will be considered. Special consideration is given to parent education classes and recent literature in parent counseling.

PSYC 560 Childhood Psychopathology and Treatment (5)
Prerequisite: graduate standing.
This course focuses on psychopathological disorders of childhood and adolescence, critically attending to normal and abnormal developmental sequences. Attention is given to the diagnosis and implications of such disorders and to clinical intervention methods.

PSYC 562 Cultural Psychology (5)
Prerequisites: psychology graduate status.
This course investigates the literature and methods involved in the psychological study of people from different cultures—both subcultures within the US and peoples from around the world. It also addresses the question of universality of psychological phenomena. Graduate students focus particularly on how these findings apply within their graduate field of study.

PSYC 565 DSM Treatment Issues for Counselors (4)
Prerequisites: admission to the graduate counseling program; mental health or school counseling emphasis or permission of the instructor.
The examination of current issues related to the classification of abnormal behavior and psychological states and their relationship to treatment. Dimensional, categorical and functional approaches to classification are reviewed, with emphasis on current forms of child and adult psychopathology found in the DSM-IV-TR. Diagnostic topics include historical influences, cultural variation, phenomenology, etiology, developmental patterns and treatment approaches to various diagnostic categories.

PSYC 566 Professional Issues in Mental Health Counseling (3)
Prerequisites: successful completion of two quarters of mental health counseling internship in the graduate counseling program; mental health emphasis.
This course provides students an opportunity to transition from the role of a counselor in training to a beginning professional in the field of mental health counseling. Topics will include advocacy, change agents for mental health, professional organizations and ethics, post-grading education, the role of the counselor, current trends in health care systems, agency and private practice and organizational change. An emphasis will be placed on professional identity and roles.

PSYC 570 Prejudice and Stereotyping (5)
Prerequisite: PSYC 325 or permission of instructor.
This course examines the social psychological underpinnings of prejudice, stereotyping and discrimination. The course topics will address specific types of prejudice such as sexism and racism, individual differences and cognitive factors that can lead to prejudice, the effect of prejudice on its targets and reducing prejudice.

PSYC 574 Group Experience (1)
Prerequisites: admission to the graduate counseling program; mental health or school counseling emphasis or permission of the instructor.
This class will provide a group process experience for first year students in mental health and school counseling emphases.

PSYC 575 DSM Treatment Issues for Counselors (4)
Prerequisite: admission to the graduate counseling program; mental health or school counseling emphasis or permission of the instructor.
This course is designed for those with a specific interest in the nature and treatment of addictive behavior and students preparing for careers in the helping professions. The course presents an integrated overview of modern research and intervention approaches. A variety of viewpoints, theories and treatment approaches will be introduced.

PSYC 576 Consultation in the Counseling Profession (2)
Prerequisites: advanced standing (2nd year) in graduate counseling; mental health or school counseling emphasis, graduate social work, or graduate school psychology programs or permission of instructor.
Application of psychological skills to organizations and systems; analysis and interventions; case consultation; peer consultation; consultation with other human service professionals. Includes information on team building, conflict resolution and the counselor’s role as a systems change agent.

PSYC 578 The Law for School Counselors (3)
Prerequisite: admission to the graduate counseling program, school counseling emphasis.
This course provides students with an understanding of the current issues, policies, laws, legislation, ethical and legal considerations related specifically to the practice of school counseling. Students will utilize current resources available to school counselors in order to recognize the most pertinent legal and ethical areas concerning school counselors today.

PSYC 579 Group Experience (1)
Prerequisites: admission to the graduate counseling program; mental health or school counseling emphasis or permission of the instructor.
Graduate course of theory and pragmatics in additive behavior counseling that documents the personal, social and cultural impact of addiction.

PSYC 580 Consultation in the Counseling Profession (2)
Prerequisites: advanced standing (2nd year) in graduate counseling; mental health or school counseling emphasis, graduate social work, or graduate school psychology programs or permission of instructor.
This course provides students an opportunity to transition from the role of a counselor in training to a beginning professional in the field of mental health counseling. Topics will include advocacy, change agents for mental health, professional organizations and ethics, post-grading education, the role of the counselor, current trends in health care systems, agency and private practice and organizational change. An emphasis will be placed on professional identity and roles.

PSYC 581 Diversity Counseling (3)
Prerequisite: admission to the graduate counseling program; mental health or school counseling emphasis or permission of instructor.
This course will introduce students to a broad spectrum of issues of diversity in counseling, including an examination of their own personal history/background and its impact on their perception of and response to diversity in clients. In this class, the term diversity includes differences in racial and ethnic origins, gender, ability, physicality, belief systems, socio-economic status, sexual orientation, developmental stage and variability of intellectual functioning.

PSYC 582 Advanced School Counseling (3)
Prerequisite: admission to the graduate counseling program; school counseling emphasis.
Students will learn about youth at risk in the K–12 school system. Students will learn effective strategies to deal with these youth as part of the school counselor role in promoting optimal development of students in the personal/social domain, which, in turn, will influence optimal development in the career and academic domains.

PSYC 583 Workshop (1–5)
Note: only one workshop course for up to 3 credits may be used to fulfill graduate degree requirements.

PSYC 586 Seminar (1–5) WFS
Note: may be graded or offered Pass/No Credit at the discretion of the instructor.
Current problems in psychology are presented by graduate students as part of their graduate education.

PSYCHOLOGY continued
PSYC 599  Independent Study (1–5)

PSYC 600  Thesis (1–15)
Prerequisites: permission of the department chair, the graduate research chair and college dean.
A bound research study conducted as partial fulfillment of a master's under the direction of a graduate committee.

PSYC 601  Research Report (1–15)
Prerequisites: permission of the department chair and the graduate research chair and college dean.
A research study in lieu of a bound thesis conducted as partial fulfillment of a master's under the direction of a graduate committee.

PSYC 602  School Psychology Portfolio (1–6)
Prerequisites: admission to school psychology program.
Students prepare reflections and evidence to document their knowledge and competence in the NASP standards for training and practice. An informal presentation of the portfolio is provided at the end of the second year of the program to document readiness for the internship experience. In the third year of the program, students provide a formal presentation as a culminating experience in the program.

PSYC 694  Practicum (1–8)
Note: graded Pass/No Credit.
Prerequisite: admission to psychology MS program or school psychology program.
Supervised experience of a clinical or counseling nature in service areas or supervised experience in research.

PSYC 695  Internship in School Psychology (1–6)
Note: may be graded Pass/No Credit.
Prerequisite: permission of the instructor, department chair and college dean and must be in the school psychology program.
Experience under supervision in selecting, administering and scoring tests. Opportunities for diagnosis, counseling evaluation and reporting.

PSYC 696  College Teaching Internship (1–5)
Prerequisites: permission of the instructor and the department chair.
Teaching a lower-division college course under the supervision of a regular faculty member. Includes course planning, arranging bibliographical and other instructional aids, conferences with students, experience in classroom instruction and student and course evaluation.

PSYC 697  Internship in Psychology (1–10)
Prerequisite: permission of the instructor, department chair and college dean.
Internship experience of professionally supervised training in approved agency or institution. The period of internship will commence on the date it is approved by the department chair and no internship credit will be granted retroactively.
The Graduate Program in Public Administration (PADM) is designed to provide widely varied educational opportunities in the fields of public and not-for-profit management. Graduate study opportunities are available for those currently employed as well as for recent graduates seeking a career in the public service. Both full-time and part-time study programs are available on a degree and non-degree basis. Students in PADM are encouraged to become aware of the public service environment, the values that guide public service and the critical and analytical skills necessary to formulate, implement and evaluate public service decisions.

Program faculty, all of whom hold doctoral degrees and have public service management experience, have been selected from the several academic areas most pertinent to public sector applications. Adjunct faculty are highly trained, qualified and experienced academics and practitioners. Alternatives offered include a master’s degree in public administration (60 quarter credit hours), several types of dual degrees (MBA/MPA, MSW/MPA, MURP/MPA), a Public Management Development Certificate Program (as few as 16 credit hours) and, in cooperation with the Health Services Administration program, a graduate Health Services Administration Certificate Program as a specialization in the MPA program (20 credit hours).

Students interested in any of these alternatives should contact the Director of PADM for further information.

Scheduling
To make the PADM courses more accessible to those employed full-time, all coursework is offered at the Riverpoint Campus, either during weekday evening hours or on weekends.

Assistantships
Paid graduate assistantships are often available. Information and application forms are available from the program office. Applications for academic year assistantships should be completed and returned to the PADM office no later than June 1 preceding the academic year for which the student is applying.

Applying for Admission
In order to apply for admission to the MPA program, one must fill out EWU’s graduate application form and send to the MPA office: (1) a current résumé; (2) a short career plan essay; and (3) three letters of recommendation.

The EWU Graduate Studies Office collects a $50 application fee. No additional fee is charged for application to the MPA program.

Application Deadlines
Priority consideration for admission will be given to applicants who meet the deadlines below. In order to meet the deadlines, 1) all of the application steps listed in the above paragraph must be completed, and 2) all admission requirements must be satisfied (including background requirements).

Priority admission deadlines
fall quarter: May 1  winter quarter: November 1
spring quarter: February 1  summer quarter: April 1

Admission Requirements
Based on the standards described below, students are admitted upon the recommendation of the director of PADM. The director’s recommendation will be sent to the Dean of Graduate Studies. That dean will then notify the student, in writing, of his/her admission or rejection. Applicants may seek admission on the basis of 1) their bachelor’s degree work, 2) completion of another master’s degree or 3) their work experience (if they can demonstrate a least 10 years of progressive responsibility in a related profession). Admission procedures and requirements are the same for the MPA degree and the Public Management Development Certificate programs.

Admission Based on Undergraduate Academic Performance
Students who have completed a bachelor’s degree at an appropriately accredited institution may be admitted to the Graduate Program in Public Administration based on the following criteria: (1) cumulative GPA ≥ 3.0 in the last 90 quarter graded credits of post-secondary coursework (or its equivalent as computed by the Graduate Studies Office); or (2) recommendation of the director based upon a successful appeal by the student. (This appeals process will be utilized only for students who do not have an undergraduate cumulative GPA of at least 3.00.)

Students seeking to utilize the appeals process for admission must directly request reconsideration by the director. In considering that request the director will review such information as: (1) a résumé; (2) letters of recommendation; (3) a combined verbal and quantitative score of 1000 and analytical writing score of 3 on the GRE 4, a GMAT score of at least 500 and/or 3, successful completion of up to 12 credits in PADM courses with a minimum GPA in those courses ≥3.3. After reviewing these new data, the MPA Program Director may admit students under the 10% exception.

Admission Based on Another Master’s Degree
A student may also be admitted to PADM with proof of possession of another valid master’s degree.

Admission Based on Work Experience
Applicants with at least 10 years of increasingly responsible professional experience in public administration may also be offered regular admission. Admission is based on the following: (1) evidence of having obtained a bachelor’s degree from an appropriately accredited institution; (2) an essay demonstrating critical thinking skills; (3) a statement of intent demonstrating a level of knowledge and intellectual maturity appropriate to the proposed field of graduate study; (4) evidence of professional success in Public Administration. No matter which path to admission a student takes, s/he will also need to provide evidence of having met the background requirements for the program (see below).

English Language Requirement
All students from non-English speaking countries must provide evidence of adequate proficiency in the English language before being admitted to the PADM. This requirement may be satisfied by presenting a TOEFL score of 580 (237 CBT, 92 iBT) or its equivalent. A student with a TOEFL score of between 550 and 580 (213–233 CBT, 79–91 iBT) may be granted Provisional Acceptance. In such cases, registration for classes is conditional upon having a program of English language study approved by the director in consultation with the International Education Office. Students with TOEFL scores of 525 to 550, (197–213 CBT, 71–78 iBT), may be admitted to the university as post-baccalaureate students (i.e. Graduate Preparation). As post-baccalaureate students they may register for classes and demonstrate their ability to do the work required of MPA students. They should be aware of the EWU regulation on previous graduate credit which permits no more than 12 pre-admission credits to be counted toward a graduate degree (see the general policies in the front of this catalog). The director of PADM will determine whether they should be granted admission to the program based in part upon their work as post-baccalaureate students. Students with scores below the aforementioned ones may be provisionally admitted to the university as post-baccalaureate students. Students may take up to 12 pre-admission credits to be counted toward a graduate degree after graduate admission and with program approval; and must enroll in English Language Institute (ELI) until completion of Level 5.
The Test Drive
In the test drive applicants will be allowed to take up to 12 quarter credits with permission of the director while completing all admission requirements. The letters of recommendation and career plan summary are not required prior to enrolling in the first 12 credits of classes. It will be necessary to complete the Application for Admission to a graduate program and submit it to the Graduate Studies Office with the appropriate fee. Documentation of completing a bachelor's degree will also be required. The application should be signed by the MPA Program Director indicating provisional acceptance. In order to be admitted to the program, it is necessary to complete the background requirements (see below), so in addition to the 12 credits in MPA courses in the test drive, students will need to complete any background courses they have not already completed.

Background Requirements
All students seeking admission to a program of study in PADM must provide evidence of having attained a minimum level of education in two background subjects: U.S. domestic political institutions and statistical techniques. Prior to meeting those background requirement expectations, students may be granted provisional admission, but they will not normally be fully admitted until they have them both completed.

The minimal acceptable grade in any background course is 2.5. For courses taken at an institution using a letter-grade system, a C or better is acceptable. Courses taken more than seven years prior to the date of admission to PADM will not normally be accepted.

Advancement to Candidacy
Prior to completing 30 credit hours of coursework, a student is expected to file for advancement to candidacy. When the candidacy form is filed and accepted, it represents an official statement regarding what courses a student must complete to obtain the MPA degree. Filling out the form involves listing all courses completed, all in progress and all those yet to be taken to complete the courses required for the degree. It also involves identifying two PADM faculty members who will sit on the oral exam committee. The chair of the committee will be the advisor for the student’s research project or thesis. Students may indicate preferences for who serves as the chair and second member of the committee, but the final decision regarding which faculty members are on the committee will be made by the MPA program director.

Comprehensive Examination
Every student seeking a master of public administration degree must take a comprehensive oral examination.

The first step toward the comprehensive examination is filing for candidacy. When the student files for candidacy, the MPA program director will designate two Graduate Program in Public Administration faculty members as members of the comprehensive examination committee. One of those faculty members must be designated as the chair of the comprehensive examination committee. The other will be the second member. A third committee member will be assigned by the Graduate Studies Office from a list of eligible faculty. The chair of the oral examination committee will supervise the student’s PADM 601 research project and development of a portfolio (PADM 602). Both the 601 paper and the 602 portfolio will be presented and discussed as part of the oral exam. In connection with the PADM 601 research project, the chair will work with the student on identifying an appropriate term paper previously submitted in a PADM course and will advise and edit the revising and enhancing of that paper.

The second member of the committee will not be presented a copy of the paper (whether it is a research project or a thesis) or the portfolio until they are approved by the chair. Both departmental members must agree that the paper and portfolio are ready to present at the oral exam prior to distributing them to the third member and confirming a time and date for the oral. Per graduate studies office rules the third member must receive the paper at least two weeks prior to the date of the comprehensive oral examination.

The chair of the oral examination committee will also supervise the student’s development of a portfolio (PADM 602). The portfolio will be presented and discussed as part of the oral exam.

Normally the examination will take place during the final quarter of the student’s work in the program, but in all cases it will take place at a time approved by the student’s comprehensive examination chair and agreed upon by the other two members of the comprehensive examination committee. The student must notify the Graduate Studies Office of the time and place of the examination at least two weeks prior to the examination. The student will also be responsible for coordinating arrangements with the examination committee and for scheduling a room for the examination.

The examination will last approximately 90 minutes and will contain:
(1) presentation and discussion of the student’s research paper (or thesis) and (2) a presentation and discussion of the student’s portfolio.

In order for the student to pass the examination at least two committee members must approve of her/his performance. The chair will be responsible for reporting the results of the examination to the Graduate Studies Office. Should it be necessary to schedule a retaking of the examination, the procedures shall be the same with the exceptions noted under Graduate Affairs Council policy 13.12. A copy of Graduate Affairs Council Policies is available for reading in the main Public Administration office, EWU, Phase One Classroom Bldg., 668 N. Riverpoint Blvd., #325.

Degree Requirements

Note: PADM 500, PADM 501 and PADM 503 should be taken the 1st or 2nd quarter in the program.

Core Required Courses (40 credits)

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<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>PADM 500</td>
<td>Personal Assessment (1)</td>
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<tr>
<td>PADM 501</td>
<td>Public Administration Research Approaches (4)</td>
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<tr>
<td>PADM 503</td>
<td>Concepts and Values of Public Service (4)</td>
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<tr>
<td>PADM 505</td>
<td>Public Policy Cycles (4)</td>
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<tr>
<td>PADM 507</td>
<td>Public Policy Analysis (4)</td>
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<tr>
<td>PADM 509</td>
<td>Public Personnel Management (6)</td>
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<tr>
<td>PADM 511</td>
<td>Public Sector Organization Theory and Dynamics (4)</td>
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<tr>
<td>PADM 513</td>
<td>Public Planning and Budgeting (4)</td>
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<tr>
<td>PADM 515</td>
<td>Administrative Law and Regulation (4)</td>
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<td>PADM 517</td>
<td>Professional Ethics (4)</td>
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<tr>
<td>PADM 519</td>
<td>Public Service Learning Field Experience (2)</td>
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<td>PADM 601</td>
<td>Research Project (2)</td>
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<tr>
<td>PADM 602</td>
<td>MPA Portfolio (2)</td>
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</table>

Elective Options (20 credits)

Note: Elective courses are required in the MPA program. Courses that may be taken toward the 20 credits include, but are not limited to the following.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>HSAD 598</td>
<td>Seminar in Health Services Administration (1–4)</td>
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<tr>
<td>PADM 525</td>
<td>Public Financial Management (4)</td>
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<tr>
<td>PADM 526</td>
<td>Public Sector Grants-Writing and Administration (4)</td>
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<tr>
<td>PADM 527</td>
<td>Capital Finance and Bonds (2)</td>
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<tr>
<td>PADM 531</td>
<td>Intergovernmental Relations (4)</td>
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<tr>
<td>PADM 533</td>
<td>City Government Administration (4)</td>
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<tr>
<td>PADM 539</td>
<td>Special Topics (1–5)</td>
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<tr>
<td>PADM 543</td>
<td>Labor Relations (2)</td>
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<tr>
<td>PADM 545</td>
<td>Collective Bargaining (2)</td>
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<td>PADM 547</td>
<td>Hiring Right (2)</td>
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<tr>
<td>PADM 551</td>
<td>Comparative Public Administration (4)</td>
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<tr>
<td>PADM 553</td>
<td>The Constitution and Public Administration (2)</td>
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<tr>
<td>PADM 555</td>
<td>The Political Executive (4)</td>
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<tr>
<td>PADM 561</td>
<td>Public Administration Through Film and Television (2)</td>
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<tr>
<td>PADM 563</td>
<td>Public Sector Ethics (4)</td>
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<tr>
<td>PADM 596</td>
<td>Experimental Course (1–4)</td>
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<tr>
<td>PADM 599</td>
<td>Directed/Independent Study (1–4)</td>
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<tr>
<td>PADM 600</td>
<td>Thesis Research Seminar (2–4)</td>
</tr>
<tr>
<td>PADM 603</td>
<td>Internships in Public Administration (2–8)</td>
</tr>
</tbody>
</table>
HEALTH SERVICES ADMINISTRATION SPECIALIZATION
There is also an option to specialize in health services administration. To do so one must be admitted into the Health Services Administration Graduate Certificate Program.

Obtaining the certificate entails successfully completing the following HSAD graduate courses:
- HSAD 500 U.S. Health Care Systems (4)
- HSAD 510 Health Law (4)
- HSAD 520 Health Reimbursement Issues (4)
- HSAD 530 Seminar on Business and Health (4)
- HSAD 598 Seminar in Health Services Administration (4)

Since completing the Health Services Administration Graduate Certificate Program entails completing 20 credits, a student who specializes in health services administration does not need to take any additional elective courses in the MPA program.

Cooperation with Other Graduate Programs
With the permission of the MPA director, courses offered by other graduate programs may be counted toward the 20 credits elective requirement. Master’s degree programs that frequently offer courses considered appropriate as elective courses in the MPA program include: MURP (Urban and Regional Planning), MPH (Public Health), MSW (Social Work), Master of Science in Communication Studies and MBA (Business Administration).

Some of courses from the planning program that may be used as electives in the MPA program include:
- PLAN 510 Community Facilities Planning (5)
- PLAN 530 Contemporary American Indian Planning (3)
- PLAN 540 Land Use Planning (5)
- PLAN 542 Sustainable Communities (3)
- PLAN 550 Emergency Community Health Challenges (4)
- PLAN 560 American Indian Planning Studio (3)
- PLAN 571 Environmental Review (3)

We also encourage MPA students with an interest in tribal governance to consider obtaining the Executive Tribal Planning Program certificate and counting those courses toward elective requirements in the MPA program.

The courses in the Executive Tribal Planning program include:
- PLAN 523 American Indian Planning (4)
- PLAN 524 Advanced Strategic Planning (4)
- PLAN 528 American Indian Health and Community (4)
- PLAN 529 American Indian Health Care Systems and Services (4)
- PLAN 531 Census Data for American Indian Planning (2)
- PLAN 534 American Indian Transportation Planning (4)

Courses from the Masters in Public Health that MPA students may use as electives include:
- HSAD 505 Trends and Issues in Public Health (4)
- HSAD 500 U.S. Healthcare Systems (4)
- HSAD 540 Health Policy (4)
- PLAN 511 Health Impact Assessment (2)
- PLAN 552 Comprehensive Community Health Planning (4)
- PUBH 506 Issues in Global Health (4)

Thesis Option
If a student decides to write a master’s thesis, s/he is required to register for 8 credits of PADM 600 Thesis Research. Two of those credits substitute for the normal PADM 601 requirement. The other 6 credits can be counted toward the 20 credit elective requirement.

Research Project (Required) (2 credits)
A research project (PADM 601) is a requirement for all students obtaining an MPA degree. It should be taken after completion of PADM 501 and near the completion of all requirements for the degree. With the advice and editorial review of the chair of his/her comprehensive oral exam committee, the student improves and enhances a paper previously submitted as a term paper in a PADM course. The improved and enhanced paper is presented and discussed as part of the comprehensive oral exam.

Y Grades in PADM Courses
Y grades are given for coursework that was not expected to be completed by the end of the quarter.

PADM courses in which Y grades may be given include:
- PADM 519 Public Service Learning (2 credits)
- PADM 525 Federal Sector Grants-Writing and Administration (4 credits max)
- PADM 599 Directed/Independent Study (4 credits max)
- PADM 600 Thesis Research Seminar (8 credits max)
- PADM 601 Research Project Seminar (2 credits max)
- PADM 602 MPA Portfolio (2 credits max)
- PADM 603 Internships in Public Administration (8 credits max)

Public Service Learning Field Experience (2 credits)
Students in the MPA program are expected to evidence an interest in public service. The public service learning field experience requirement is designed to give course credit for field experience involving 100 hours of voluntary public service.

Students who can provide documentary evidence of having engaged in 100 hours of voluntary public service prior to admission to the program may be allowed to substitute a 2 credit elective course for this requirement.

Internships (optional) (2–8 credits)
Although internships are not a required part of the MPA curriculum, they are strongly recommended for all MPA students who have not had significant public sector administrative experience. The internship is intended to provide a major professional learning experience for the student, including a realistic exposure to a complex organizational environment. The intern is expected both to contribute to the agency by helping to solve problems for the agency and to learn from and about the agency. Normally an internship should be arranged after finishing at least 30 credit hours of coursework in the program. The standard requirement for a 4 credit internship is 20 hours of work per week for one quarter. No more than 8 credits of internship may be counted toward graduation. Academic credit is obtained by registering for PADM 603. Documentation of the work experience is required.

Total required core credits 40 credits
Total elective credits 20 credits
Minimum total credits for above master’s degree 60 credits

PUBLIC MANAGEMENT DEVELOPMENT CERTIFICATE
The Public Management Development Certificate Program is available to students who are interested in studying public administration but not in commitment to an entire MPA program. Both a basic certificate (16 credits) and an advanced certificate (36 credits) are available. Course offerings within the basic program provide an introduction to the concepts and skills associated with public sector administrative responsibilities.

The advanced certificate program permits further development in the fundamentals of public sector management. Admission to the certificate program is upon the same basis as is admission to the MPA program.

ADVANCED STANDING MPA PROGRAM
Persons who have completed all of the requirements for the undergraduate Public Policy and Administration Certificate offered through the Government Department and the Economics Department of EWU’s College of Social & Behavioral Sciences and Social Work are allowed to obtain the MPA Degree by meeting the following requirements:

Core Courses: (36 credits)
- PADM 500 Personal Assessment (1)
- PADM 501 Public Administration Research Approaches (4)
- PADM 503 Concepts and Values of Public Service (4)
- PADM 505 Public Policy Cycles (4)
- PADM 509 Public Personnel Management (4)
- PADM 511 Public Sector Organization Theory and Dynamics (4)
- PADM 513 Public Planning and Budgeting (4)
- PADM 515 Administrative Law and Regulation (4)
- PADM 517 Professional Employment (1)
- PADM 519 Public Service Learning (2)
- PADM 601 Research Project (2)
- PADM 602 MPA Portfolio (2)

MPA Elective Courses: (10 credits)
10 credits in any of the courses acceptable as electives in the MPA Program. Note: elective courses acceptable for the MPA program should not be below the 400 level.

Total credits for MPA degree in the advanced standing program 46 credits
Note: for specifics on the requirements for the undergraduate Public Policy and Administration Certificate, see the description in this catalog under the Government Department or the Economics Department.
DUAL DEGREE PROGRAMS

MPA/MBA
A dual-degree program with the Eastern Washington University Master of Business Administration is available through which one can obtain both an MPA degree and an MBA degree. In this program of study, required courses for one degree program serve as elective courses in the second program, thereby reducing the number of credits required for each of the degrees. Any student interested in this dual degree must apply and be admitted to both the Master of Public Administration and the Master of Business Administration Programs. Individuals who have already started one of the two master’s programs can work toward the MPA/MBA by qualifying for admission to the other program. Students complete 73 hours of coursework in addition to those background courses which are prerequisite to either graduate degree program. The average progress requires about eight quarters of full-time study to complete both degrees. Interested parties should contact the PADM director and MBA director at EWU, Phase One Classroom Bldg., 668 N. Riverpoint Blvd., #325, 509.828.1248 or 509.828.1232. For information on the MBA program see the Business Administration section of this catalog.

MPA/MSW
A dual-degree program with the Eastern Washington University Master of Social Work program is available through which one can obtain both an MPA degree and an MSW degree. In this program of study, required courses for one degree program serve as elective courses in the second program, thereby reducing the number of credits required for each of the degrees. Any student interested in this dual degree must apply and be admitted to both the Master of Public Administration and the Master of Social Work Programs. Individuals who have already started one of the two master’s programs can work toward the MPA/MSW by qualifying for admission to the other program. The number of credits needed to graduate with the MPA/MSW dual degree is at least 118 for students in the two-year MSW program and 83 credits for students in the advanced standing MSW program. The dual-degree program can be completed in eight to nine full-time quarters by students in the two-year MSW program and in six quarters by students in the advanced standing program. Interested parties should contact the PADM director and MSW director in 203 Senior Hall, Cheney, Washington 99004-2431, 509.359.6485. For information on the MSW program see the Master of Social Work section of this catalog.

MPA/MURP
A dual-degree program with the Eastern Washington University Master of Urban and Regional Planning Program is available through which one can obtain both an MPA degree and an MURP degree. In this program of study, required courses for one degree program serve as elective courses in the second program, thereby reducing the number of credits required for each of the degrees. Any student interested in this dual degree must apply and be admitted to both the Master of Public Administration and the Master of Urban and Regional Planning Programs. Individuals who have already started one of the two master’s programs can work toward the MPA/MURP by qualifying for admission to the other program. Admitted students must complete 91–92 credits to earn both degrees. One comprehensive examination is required. The complete policy on the MPA/MURP is available in both program offices and in the Graduate Studies Office. Eight quarters of full-time study are typically needed to complete both degrees. Interested parties should contact the PADM director and MURP advisor, Department of Urban and Regional Planning, EWU, Phase One Classroom Bldg., 668 N. Riverpoint Blvd., #239, Spokane, WA 99202-1660 or at 509.828.1218.

Public Administration Courses

Terms offered: check with the department or EagleNET.

PADM 500 Personal Assessment (1)
Note: graded Pass/No Credit; this course should be taken the 1st or 2nd quarter in the program.
Prerequisite: admitted MPA student or director signature required.
A seminar in weekend format during the student’s first or second quarter; it concentrates on career choice issues and assists in determining job fit, teaching students the use of psychometric instruments and techniques for assisting employees to make sound career decisions. The weekend will also include an abbreviated assessment center so students can gain experience in both the roles of assessor and assessed.

PADM 501 Public Administration Research Approaches (4)
Note: this course should be taken the 1st or 2nd quarter in the program.
Prerequisite: admitted MPA student or director signature required.
Assists the student in developing skills in locating, obtaining and assembling information pertinent to public administration. The course explores various approaches to research found in public administration literature. It also involves students in critically examining research with attention to the tasks of defining a research purpose, posing research questions, writing a literature review and selecting an appropriate research approach (quantitative, qualitative or mixed methods).

PADM 503 Concepts and Values of Public Service (4)
Note: this course should be taken the 1st or 2nd quarter in the program.
Prerequisite: admitted MPA student or director signature required.
Offers an analysis of the development of the administrative state and the profession of public administration. Emphasis is placed on the value system underlying modern public administration and its impact on the administrative process.

PADM 505 Public Policy Cycles (4)
Prerequisite: PADM 500, PADM 501, PADM 503 and admitted MPA student or director signature required, domestic political institutions required.
An examination of the impact of environmental forces on the formulation and content of public policy on the local, state or national level. Such elements as social values, political institutions and processes, intergovernmental relations, political resource distribution and the structure of policy are central to this investigation.

PADM 507 Public Policy Analysis (4)
Prerequisite: PADM 500, PADM 501, PADM 503 and admitted MPA student or director signature required, statistical techniques through inferential required.
Offers an examination of rational decision making with a focus on use of analytical tools as an instrument of public policy. Analytic tools include political and economic modeling. Emphasis varies with instructor.

PADM 509 Public Personnel Management (4)
Prerequisite: PADM 500, PADM 501, PADM 503 and admitted MPA student or director signature required.
Addresses the fundamentals of human resource management in the public sector. Topics covered may include the civil service system, merit principles, equal employment opportunity and/or current human resource management issues or techniques related to such concerns as employee recruitment, selection, orientation and motivation.
**PADM 511** Public Sector Organization Theory and Dynamics (4)  
Prerequisite: PADM 500, PADM 501, PADM 503 and admitted MPA student or director signature required.  
A review of contemporary organization theory and ways that it helps us understand the dynamics of organizational change and transformation, with special reference to the public sector and the basic values of modern public administration.

**PADM 513** Public Planning and Budgeting (4)  
Prerequisite: PADM 500, PADM 501, PADM 503 and admitted MPA student or director signature required.  
An examination of budget process emphasizing bureaucratic politics, policy issues, alternative methods and planning techniques.

**PADM 515** Administrative Law and Regulation (4)  
Prerequisite: PADM 500, PADM 501, PADM 503 and admitted MPA student or director signature required, domestic political institutions required.  
A description, analysis and critique of the American systems of administrative law and regulations and their impact on the public manager.  

**PADM 517** Professional Employment (1)  
Note:graded Pass/No Credit  
Prerequisite: PADM 500, PADM 501, PADM 503 and admitted MPA student or director signature required.  
A seminar in weekend format offered as a student’s graduation approaches; it focuses on transition into the job market, giving students experience in résumé preparation, hiring practices and interview techniques from the perspective of both the employer and prospective employee. Additional topics to be covered include personnel system reform efforts, handling of stress in the workplace and ethical issues which commonly arise.

**PADM 519** Public Service Learning Field Experience (2)  
Note:graded Pass/No Credit  
Prerequisite: PADM 500, PADM 501, PADM 503 and admitted MPA student or director signature required.  
Guided field placement in at least 100 hours of voluntary service with an agency or organization that provides public service. (Students may be excused from this course based on evidence of at least 100 hours of voluntary service provided in a context outside of this requirement. If a student is excused from this course, the 2 credits will be replaced with 2 credits of elective classes.)

**PADM 523** Public Financial Management (4)  
Prerequisite: PADM 500, PADM 501, PADM 503 and admitted MPA student or director signature required.  
A broad overview of the management of financing by U.S. governments. The emphasis is on municipal financial management, its environment and the skills required.

**PADM 525** Public Sector Grants-Writing and Administration (4)  
Prerequisite: PADM 500, PADM 501, PADM 503 and admitted MPA student or director signature required.  
Examination of the development of public sector grant programs and the distribution and fiscal management of money transfers. Topics include project development, grant applications, program planning and implementation and public policies for the improvement of intergovernmental operations.

**PADM 527** Capital Finance and Bonds (2)  
Prerequisite: PADM 500, PADM 501, PADM 503 and admitted MPA student or director signature required.  
Within a general vision of the larger governmental finance system, this course describes optional means of financing and addresses the pros and cons of each.

**PADM 531** Intergovernmental Relations (4)  
Prerequisite: PADM 500, PADM 501, PADM 503 and admitted MPA student or director signature required.  
Examines both theoretical and the practical aspects of intergovernmental relations.

**PADM 533** City Government Administration (4)  
Prerequisite: PADM 500, PADM 501, PADM 503 and admitted MPA student or director signature required.  
An exploration of the major management issues and techniques involved in the professional management of city governments. Topics include the role of the professional city administrator, the changing face of cities, major city services issues, ethics, decision making and budget preparation. Examines both theoretical and the practical aspects of city government management.

**PADM 539** Special Topics (1–5)  
Prerequisite: PADM 500, PADM 501, PADM 503 and admitted MPA student or director signature required.  
This course offers a broad range of topics such as history of the labor movement, federal and state statutes covering the field, field operations planning and legislative lobbying efforts.

**PADM 545** Collective Bargaining (2)  
Prerequisite: PADM 500, PADM 501, PADM 503 and admitted MPA student or director signature required.  
This course addresses the process of reaching agreement on a contract.

**PADM 546** Hiring Right (2)  
Prerequisite: PADM 500, PADM 501, PADM 503 and admitted MPA student or director signature required.  
This course addresses hiring issues such as employee screening, using employment agencies and search firms and staying out of court.

**PADM 551** Comparative Public Administration (4)  
Prerequisite: PADM 500, PADM 501, PADM 503 and admitted MPA student or director signature required.  
A comparative examination and analysis of the impacts of political and social cultures on public administration systems within nation states.

**PADM 553** The Constitution and Public Administration (2)  
Prerequisite: PADM 500, PADM 501, PADM 503 and admitted MPA student or director signature required.  
This course is intended to engage public administrators in serious consideration of how the U.S. Constitution and U.S. Supreme Court cases interpreting it affect our practice.

**PADM 555** The Political Executive (4)  
Prerequisite: PADM 500, PADM 501, PADM 503 and admitted MPA student or director signature required.  
Examines the role, responsibilities and powers of the elected and politically appointed executives in government and agencies in the U.S.

**PADM 560** Thesis Research Seminar (1–15)  
Prerequisite: PADM 500 and permission of the instructor, department chair and college dean.  
A seminar designed to assist students completing research requirements in connection with the MPA program. This is a required course if the thesis option is chosen. The thesis can be substituted for the advanced research and writing seminar within a chosen specialization and as an elective. The thesis option is intended for those students going on to doctoral study.

**PADM 561** Research Project (1–2)  
Prerequisite: PADM 500 and permission of the instructor, department chair and college dean.  
An advanced research and writing project in which a student, with the advice and editorial review of the chair of his/her comprehensive oral exam committee, improves and enhances a paper previously submitted as a term paper in a PADM course. The improved and enhanced paper is presented and discussed as part of the comprehensive oral exam for the MPA degree.

**PADM 562** MPA Portfolio (1–2)  
Prerequisite: PADM 500 and permission of the instructor, department chair and college dean.  
An advanced reflective praxis project in which a student, following the guidelines provided by the MPA Program and with the advice and editorial review of the chair of his/her comprehensive oral exam committee, develops a portfolio including his/her best work in the MPA Program. The portfolio is presented and discussed as part of the comprehensive oral exam for the MPA degree.

**PADM 563** Internships in Public Administration (2–8)  
Prerequisite: PADM 500 and permission of the instructor, department chair and college dean.  
Guided field placement with a public agency.
Everybody knows if you are too careful you are so occupied in being careful that you are sure to stumble over something.
Gertrude Stein, novelist, poet, and playwright (1874–1946)
**GRADUATE PROGRAM**

**MASTER OF PUBLIC HEALTH**

Public Health is a dynamic field recognized for critical and rapidly expanding needs in policy development and research. Professionals are needed to address critical health and community policy issues. Professionals must be ready to promote effective community response and change, create and support effective health programs and actions to meet critical needs within the health profession and many related fields. An interdisciplinary program bringing together multiple disciplines to promote a broad intellectual framework for problem solving the challenges and emerging issues faced in public health is proposed. This program is built on the core functions of public health: assessment, policy development/implementation and assurance.

The Master of Public Health program is designed to provide the student with the skills to work with the following:

- a rapidly changing political, social and economic environment;
- funding from a variety of sources;
- issues related to disparity in health status for a variety of populations;
- new and innovative public and private partnerships;
- a culturally and ethnically diverse workforce;
- organizational challenges both within and outside the public health arena;
- program development and service delivery.

**Student Learning Objectives—students will:**

- assess population health needs;
- strategize approaches when organizationally challenged in the public health arena;
- implement strategies in public health service delivery for culturally diverse client populations;
- identify various funding streams for public health.

In addition to a solid core foundation in public health, this program offers four options: health services administration, health promotion, epidemiology and American Indian Health Care and Community. Each option offers a unique focus on public health allowing the student to choose their area of interest.

To apply for this program, an individual must have an undergraduate degree and grade point average ≥ 3.0 meeting the Eastern Washington University graduate school requirements. Students must be computer literate to include word processing, spreadsheet construction and Internet applications. The Computer Literacy Program test (CLP) for the university can fulfill that requirement. Also a computer literacy or a computer-intensive course completed at the undergraduate level will satisfy this requirement.

The internship for the program incorporating skills, knowledge and competencies into practice is the culminating experience for the student. As part of this experience students develop a portfolio to display their work that addresses specific competency areas within the program. The portfolio serves as the comprehensive examination which is a graduate school requirement. A portfolio is to be submitted on the competencies addressed with the organization in the internship plan.

Prior to an internship students must have a student membership in national professional organization that relates to public health in their chosen option.

Completion of the Masters in Public Health program depending on the option chosen may allow the student to be eligible to sit for exams to be credentialed at a national level. The intent of the program is to meet the criteria set out by the Council on Education for Public Health. Competencies for the program incorporate those identified by the Association of Schools of Public Health. Possible credentials are CPH (certified in public health) which is available to anyone having completed an MPH program that is certified by CEPH and having successfully completed a national exam. Additionally, those completing the health promotion track may be able to sit for the Certified Health Education Specialist (CHES) exam.

**Required Core (44 credits)**

- HLED 505 Social and Behavioral Trends in Public Health (4)
- HSAD 500 U.S. Healthcare Systems (4)
- HSAD 510 Health Law (4)
- HSAD 535 Risk Management and Process Improvement (4)
- HSAD 540 Health Policy (4)
- HSAD 595 Internship (10)
- PLAN 511 Health Impact Assessment (2)
- PUBH 510 Biostatistics (4)
- PUBH 516 Environmental Health (4)
- PUBH 520 Fundamentals of Epidemiology (4)

**Degree Options—for the MPH.**

**OPTION 1—HEALTH SERVICES ADMINISTRATION (20 CREDITS)**

- HSAD 520 Health Reimbursement Issues (4)
- HSAD 541 Advanced Health Policy (4)
- HSAD 545 Health Informatics (4)
- HSAD 550 Health Economics (4)
- HSAD 598 Seminar in Health Services Administration (4)

**OPTION 2—HEALTH PROMOTION (20 CREDITS)**

- HLED 552 Culture, Public Health Practice and Eliminating Health Disparities (4)
- PHED 554 Behavior Change—Theory and Practice (3)
- PLAN 552 Comprehensive Community Health Planning (4)
- PLAN 553 Community Health Planning Studio (5)
- PLAN 550 Emergent Community Health Challenges (4)

**OPTION 3—EPIDEMIOLOGY (20 CREDITS)**

- PUBH 506 Issues in Global Health (4)
- PUBH 511 Applied Biostatistics (4)
- PUBH 521 Advanced Epidemiological Methods (4)
- PUBH 524 Application of Epidemiological Methods (4)
- PUBH 598 Seminar in Epidemiology (4)

**OPTION 4—AMERICAN INDIAN HEALTH CARE AND COMMUNITY (22 CREDITS)**

- PLAN 523 American Indian Planning (4)
- PLAN 524 Advanced Strategic Planning (4)
- PLAN 528 American Indian Health and Community (4)
- PLAN 529 American Indian Health Care Systems and Services (4)
- PLAN 531 Census Data for American Indian Planning (2)
- PLAN 534 American Indian Transportation Planning (4)

**Total required core**

**Options 1–2–3–4**

- 44 credits

**Minimum total credits for above master’s degree**

- 20–22 credits
- 64 credits
Public Health Courses

Terms offered: check with the department or EagleNET.

PUBH 506 Issues in Global Health (4)
This course discusses the major health problems of the human population at a global level and the major challenges to improving health. It explores the factors that influence health patterns, ranging from their physiological basis to the social and political context. Topics include: infectious diseases, injuries, risk factors, health care systems and international agencies role in forming global health policy.

PUBH 510 Biostatistics (4)
This course prepares students to understand and apply biostatistical methods needed in the design and analysis of biomedical and public health investigations. The major topics to be covered include: types of data, descriptive statistics and plots, theoretical distributions, probability, estimation, hypothesis testing and one-way analysis of variance. The course is intended for graduate students and health professionals interested in the design and analysis of public health studies.

PUBH 511 Applied Biostatistics (4)
Prerequisite: PUBH 510.
This course is an introduction to the principles and application of regression methods for statistical analysis of data. The course is designed for students who have a working knowledge of basic statistical concepts which include descriptive statistics, components of statistical inference and concepts of confounding and effect modification. Topics include: linear regression models, logistics and regression models. Students will learn to work with covariates such as confounding variables, effect modifiers and precision variables in the use of regression.

PUBH 516 Environmental Health (4)
This course provides an overview of the multidisciplinary field of environmental/occupational health. The course covers a wide variety of environmental hazards and influential factors, their interactions with the health and well-being of humans and their relationship to assuring and promoting health of the public. Environmental problems of the workplace, community, home, regional and global settings will be discussed with use of case studies including developing countries. Environmental health concerns will be examined relative to social, economic and other factors that influence the effects of environmental hazards or influence public health.

PUBH 520 Fundamentals of Epidemiology (4)
This course introduces the principles and concepts of epidemiology, methods of epidemiologic investigation, and the design, interpretation and evaluation of epidemiologic research. The course prepares the student to apply epidemiologic concepts to solve public health problems.

PUBH 521 Epidemiological Methods (4)
Prerequisites: PUBH 510 and PUBH 520.
This course prepares the student to engage in epidemiologic research of issues of public health concern. Topics include: confounding, multivariate analysis, randomized trials, cohort studies, case-control studies, meta-analysis. Students apply a variety of research designs to solve public health problems.

PUBH 524 Application of Epidemiological Methods (4)
Prerequisites: PUBH 521.
This course is designed to introduce the student to advanced concepts in epidemiologic methods with a primary emphasis on observational studies. Topics include: measures of disease frequency, causal inference, measures of association, stratified and logistic regression analysis, interpretation of epidemiologic study results.

PUBH 598 Seminar in Epidemiology (4)
Prerequisites: PUBH 524.
This course allows students to present and discuss papers on topics relative to epidemiologic principles and practice. Guest speakers will present on a range of topics that may not have been covered previously. Possible topics for student presentation include: issues in measurement, casual reasoning, research ethics and issues of a research career. Faculty will guide the selection of topics and readings and facilitate active dialogue during discussions.

Complete descriptions for the following courses are listed in the specific departments noted below.

Health Education

Physical Education, Health and Recreation Department
HLED 505 Social and Behavioral Trends . . . (4)
HLED 552 Culture, Public Health . . . (4)

Health Services Administration

Health Services Administration Department
HSAD 500 U.S. Healthcare Systems (4)
HSAD 510 Health Law (4)
HSAD 520 Health Reimbursement Issues (4)
HSAD 535 Risk Management and . . . (4)
HSAD 540 Health Policy (4)
HSAD 541 Advanced Health Policy (4)
HSAD 545 Health Informatics (4)
HSAD 550 Health Economics (4)
HSAD 595 Internship (10)
HSAD 598 Seminar in Health Services . . . (4)

Physical Education, Health and Recreation

Physical Education, Health and Recreation Department
PHED 554 Behavior Change–Theory . . . (3)

Urban and Regional Planning

Urban and Regional Planning Department
PLAN 511 Health Impact Assessment (2)
PLAN 523 American Indian Planning (4)
PLAN 524 Advanced Strategic Planning (4)
PLAN 528 American Indian Health . . . (4)
PLAN 529 American Indian Health Care . . . (4)
PLAN 531 Census Data for American . . . (2)
PLAN 534 American Indian Trans . . . (4)
PLAN 550 Emergent Community Health . . . (4)
PLAN 552 Comprehensive Community . . . (4)
PLAN 553 Community Health Planning . . . (5)
UNDERGRADUATE PROGRAM

Public Health is a dynamic field that offers students numerous career opportunities. The Public Health program is derived from many disciplines including the biological sciences, physical sciences and social sciences to promote a broad intellectual background to prepare the student to work in concert with other healthcare professionals to address issues in public health including the quality of health care, community health interventions and health care policies that affect society. The program is designed to provide opportunities and a solid foundation for public health careers which will help to improve the health of society both locally and abroad.

BACHELORS OF SCIENCE

Student Learning Objectives—students will:

• integrate and apply public health theory to a public health setting;
• demonstrate writing and speaking skills, presentation skills and the ability to work in a team to solve public health problems;
• assume positions of leadership through career development;
• become a public health advocate through sharing and educating communities locally and abroad on the principles of public health;
• analyze United States and international public health concepts, approaches and systems.

PUBLIC HEALTH MAJOR (140 CREDITS)

The Bachelor of Science in Public Health provides those students seeking to enter the health care field an alternative to the professional programs at Eastern Washington University and other institutions which have limited enrollment.

Required Core Courses (25 credits)
- PUBH 201 Introduction to Environment Health
- PUBH 250 Introduction to Global Health and Health Care
- PUBH 301 Emerging Diseases in Public Health
- PUBH 401 Introduction to Epidemiology
- PUBH 460 Current Issues in Public Health I
- PUBH 461 Current Issues in Public Health II
- PUBH 490 Senior Capstone Project

Required Courses (85 credits)
- BIOL 232 Human Anatomy and Physiology I
- BIOL 233 Human Anatomy and Physiology II
- BIOL 234 Human Anatomy and Physiology III
- BIOL 235 Elementary Medical Microbiology
- CHEM 161 General Chemistry I
- CHEM 162 General Chemistry II
- CHEM 163 General Chemistry III
- CMST 331 Interviewing
- CPLA 120 Computer Application Literacy
- CSBS 320 Introductory Statistics for the Social Sciences
- or MATH 380 Elementary Probability and Statistics
- ENGL 201 College Composition: Analysis, Research and Documentation
- FNDT 356 Nutrition
- HLED 256 Medical Terminology
- MATH 141 Precalculus I
- or MATH 107 Mathematical Reasoning
- PSYC 100 General Psychology
- PSYC 201 Life Span Development
- SOCI 101 Introduction to Sociology
- TCOM 205 Introduction to Technical Communication

Related Courses (30 credits minimum)
- ANTH 448 Anthropology of Food and Nutrition
- ANTH 450 Cultural Ecology
- BIOL 310 Fundamentals of Genetics
- DSST 310 Disability, Culture and Society
- ECON 452 Health Economics
- GEOG 230 World Regional Geography
- GEOG 250 Global Economic Development
- HLED 382 International Health
- HLED 374 Investigation of Disease and Illness
- HLED 480 Preventing Disease Transmission
- HSAD 410 Health Law, Regulations and Ethics
- HSAD 450 International Perspectives on Health Care
- MGMT 326 Organization Theory and Behavior
- PSYC 302 Abnormal Psychology
- PSYC 317 Health Psychology
- PSYC 323 Drugs and Behavior
- PSYC 381 Social Psychology
- SOCI 200 Race and Ethnic Relations Global Perspective
- SOCI 351 Social Stratification
- SOCI 370 Sociology of the Family
- SOCI 486 Contemporary World Systems
- SOWK 458 Perspectives on Death and Dying
- ENVS 100 Introduction to Environmental Science
- ENVS 110 Introduction to Environmental Science
- PHL 212 Introduction to Ethics
- SPAN 170 Introduction to Literature
- or ENGL 170 Introduction to Literature

Recommended General Education Credit Requirement (20 credits)
- ECON 100 General Education Economics
- ENVS 100 Introduction to Environmental Science
- PHIL 212 Introduction to Ethics
- ENGL 170 Introduction to Literature

Recommended Cultural and Gender Diversity (5 credits)
- CMST 340 Intercultural Communication

Recommended International Studies (5 credits)
- ANTH 358 Medical Anthropology

Total required core credits: 25 credits
Total required credits: 85 credits
Total related credits: 30 credits
Total minimum credits for above major: 140 credits
Public Health Courses

Terms offered: check with the department or EagleNET.

**PUBH 201 Introduction to Environment Health (3)**
This course is designed to give students the basic understanding of how the relationship between people and the environment impacts their physical well-being. The student becomes acquainted with the scientific and technical foundations of the field of environmental health and examines the practice of environmental health and problems which are addressed. Emphasis is on the general understanding of environmental factors, the transmission of communicable diseases and health hazards related to exposure to chemical and physical factors in the environment.

**PUBH 250 Introduction to Global Health and Healthcare (5)**
This course explores social issues of health and health care in the United States and other developed and developing countries. Content includes structure of health care systems, social and political influences on health and health care, and the geographical influence of health and disease.

**PUBH 301 Emerging Diseases in Public Health (2)**
This course explores the origin, epidemiology and methods to control emerging infectious diseases of global health importance.

**PUBH 401 Epidemiology in Public Health (3)**
*Prerequisites: CSBS 320 or MATH 380 or equivalent.*
This course is a basic introduction to epidemiology. The course uses descriptive and analytical epidemiological methods to explore public health problems. Major concepts to be explored include: classification of disease, incidence and prevalence, outbreak investigation, study design, life-tables and screening.

**PUBH 460 Current Issues in Public Health I (3)**
*Prerequisites: PUBH 201, PUBH 250, PUBH 301, PUBH 401.*
This course addresses current issues in public health related to epidemiology, environmental health, and health care delivery at the regional, national and international level.

**PUBH 461 Current Issues in Public Health II (3)**
*Prerequisites: PUBH 460.*
This course consists of an in-depth study of local public health practice.

**PUBH 490 Public Health Senior Capstone (5)**
*Prerequisites: PUBH 461.*
Self-directed application of theoretical knowledge to real world problems in public health at the local, regional, national or global level.
UNDERGRADUATE PROGRAM

The mission of the academic major in the study of Race and Culture is to contribute to the overall mission of Eastern Washington University "to prepare broadly educated, technologically proficient and highly productive citizens to obtain a meaningful career, to enjoy enriched lives and to contribute to a culturally diverse society." More specifically, RCST provides Eastern Washington University students a comprehensive interdisciplinary curriculum that contributes to their understanding and appreciation of the experiences, concerns and perspectives of the three major historically marginalized populations, (African Americans, Chicanos/Latinos and Native Americans) in the United States.

Central Core Emphasis of the RCST Major

Students majoring in RCST enroll in a core curriculum using interdisciplinary and comparative perspectives. RCST majors study the history, culture, social-economics and political realities of these communities. More specifically, RCST majors gain insights about international connections relevant to these groups as well as participate in research and community based study to augment classroom learning.

RCST Interdisciplinary Nature

The core curriculum is interdisciplinary in nature and draws concepts, constructs, theories, and perspectives from an array of disciplinary areas including: history, anthropology, sociology political science, social work and the arts.

Career Opportunities with a RCST Major

Many professional areas recognize the need to have employees who are aware of and sensitive to the racial and cultural climate of contemporary society. They likewise recognize the rapidly changing racial and cultural demographic diversity taking places throughout the U.S. Employers are looking for professionals who bring with them the knowledge and skills necessary to contribute to a productive work environment that is racially and culturally diverse. Underlying this effort are the many companies and agencies hiring diversity officers/managers to provide racial, ethnic and culturally diverse. Underlying this effort are the many companies and agencies hiring diversity officers/managers to provide racial, ethnic and culturally diverse. Underlying this effort are the many companies and agencies hiring diversity officers/managers to provide racial, ethnic and culturally diverse. Underlying this effort are the many companies and agencies hiring diversity officers/managers to provide racial, ethnic and culturally diverse. Underlying this effort are the many companies and agencies hiring diversity officers/managers to provide racial, ethnic and culturally diverse. Underlying this effort are the many companies and agencies hiring diversity officers/managers to provide racial, ethnic and culturally diverse. Underlying this effort are the many companies and agencies hiring diversity officers/managers to provide racial, ethnic and culturally diverse. Underlying this effort are the many companies and agencies hiring diversity officers/managers to provide racial, ethnic and culturally diverse.

Professional fields open to RCST majors include, but are not limited to, law, politics, education, business, urban/regional planning, counseling, social work, health/medicine and public institutions such as schools, libraries and museums. As the contemporary job market becomes more competitive, employers are looking for individuals who possess extraordinary skills to deal with a diverse labor setting and markets. A major in RCST provides employers and professionals the necessary skills and insights to be a successful in a changing contemporary society.

Grade Requirements

In order to graduate with a BA in Race and Culture Studies students must have a minimum grade point ≥2.0 and all courses completed towards the major must be ≥2.0.

BACHELOR OF ARTS (BA)

Student Learning Objectives—students will:

• differentiate between the concepts of racism, prejudice and discrimination; and, understand how lives are situated in or impacted by these concepts;
• demonstrate understanding of what it means to be a culturally competent individual/human being;
• demonstrate understanding of the role that activism and struggle have played in building the African American, Chicano/a and American Indian consciousness and empowerment.

RACE AND CULTURE STUDIES MAJOR (80 CREDITS)

Foundation Courses (40 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>RCST 101 Introduction to Race and Culture</td>
<td>5</td>
</tr>
<tr>
<td>RCST 202 Race, Privilege and Power</td>
<td>5</td>
</tr>
<tr>
<td>RCST 304 Liberation and Social Change</td>
<td>5</td>
</tr>
<tr>
<td>RCST 330 Researching Race and Culture</td>
<td>5</td>
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<tr>
<td>RCST 430 Research Methodologies in Ethnic Studies</td>
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Required (choose two) cross-listed

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>AAST 101 Introduction to Africana Studies</td>
<td>5</td>
</tr>
<tr>
<td>CHST 101 Introduction to Chicano Culture</td>
<td>5</td>
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<tr>
<td>IDST 101 Introduction to Indian Studies</td>
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Required Capstone

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>RCST 490 Capstone</td>
<td>5</td>
</tr>
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</table>

or RCST 491 Senior Thesis | 5 |

Degree Options—choose two of the three emphasis areas for the BA.

AFRICANA STUDIES EMPHASIS AREA (20 CREDITS)

Required cross-listed

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>AAST 215 Early African American History</td>
<td>5</td>
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<tr>
<td>HIST 215, HONS 215</td>
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<tr>
<td>CHST 220 African American History: Postwar</td>
<td>5</td>
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<tr>
<td>HIST 220, HONS 220</td>
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<td>AAST 301 Harlem Renaissance: Reconstruction</td>
<td>5</td>
</tr>
<tr>
<td>HIST 315, HONS 315</td>
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<tr>
<td>AAST 320 African American Family</td>
<td>5</td>
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<td>SOWK 320, SOCI 371</td>
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<tr>
<td>AAST 331 History and Dynamics of U.S.</td>
<td>5</td>
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<td>ANTH 347</td>
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<td>AAST 347 Peoples of Africa</td>
<td>5</td>
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<td>AAST 375 African American Cinema: 1915</td>
<td>5</td>
</tr>
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<td>AAST 381 Contemporary African American</td>
<td>5</td>
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<tr>
<td>AAST 424 Economics of Poverty and Discrimination</td>
<td>5</td>
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<td>AAST 430 African American Women's History</td>
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<td>WMST 430</td>
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<tr>
<td>AAST 435 Negro Spirituals</td>
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<td>AAST 481 Dr. King and Malcolm X</td>
<td>5</td>
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<tr>
<td>AAST 495 African Studies Internship</td>
<td>1–5</td>
</tr>
<tr>
<td>AAST 499 Independent Directed Studies</td>
<td>1–5</td>
</tr>
<tr>
<td>ART 310 World Art</td>
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CHICANO STUDIES EMPHASIS AREA (20 CREDITS)

Required cross-listed

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>CHST 218 Chicano History</td>
<td>5</td>
</tr>
<tr>
<td>HIST 218</td>
<td></td>
</tr>
<tr>
<td>CHST 230 Chicana and Chicanos in the U.S.</td>
<td>5</td>
</tr>
<tr>
<td>CHST 300 Survey of Chicano Literature</td>
<td>5</td>
</tr>
<tr>
<td>CHST 310 Larinas and Latinas in the U.S.</td>
<td>5</td>
</tr>
<tr>
<td>CHST 320 Chicano-Latino Politics in America</td>
<td>5</td>
</tr>
<tr>
<td>CHST 330 Latino Immigration to the United States</td>
<td>5</td>
</tr>
<tr>
<td>CHST 351 The Latino Family in the U.S.</td>
<td>5</td>
</tr>
<tr>
<td>CHST 340 Latino/a Communities in the U.S.</td>
<td>5</td>
</tr>
<tr>
<td>CHST 495 Chicano Internship Practicum</td>
<td>1–5</td>
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<tr>
<td>CHST 498 Chicano Experience</td>
<td>1–5</td>
</tr>
<tr>
<td>CHST 499 Directed Study</td>
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INDIAN STUDIES EMPHASIS AREA (20 CREDITS)

Required

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>IDST 321 Contemporary Indian Issues</td>
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<tr>
<td>IDST 301 Salish Language and Culture I</td>
<td>5</td>
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<tr>
<td>IDST 302 Salish Language and Culture II</td>
<td>5</td>
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<tr>
<td>IDST 303 Salish Language and Culture III</td>
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<tr>
<td>IDST 316 American Indian History I</td>
<td>5</td>
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<tr>
<td>HIST 316</td>
<td></td>
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<tr>
<td>IDST 317 American Indian History II</td>
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<td>HIST 317</td>
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<tr>
<td>IDST 325 Native American Writing</td>
<td>5</td>
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<td>IDST 330 Indian Wars Past and Present</td>
<td>5</td>
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<tr>
<td>IDST 358 American Indian Cinema</td>
<td>5</td>
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<tr>
<td>IDST 380 Survey of Native American Literature</td>
<td>5</td>
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<tr>
<td>ENGL 380</td>
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<tr>
<td>IDST 420 Readings In Decolonization</td>
<td>5</td>
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<tr>
<td>ENGL 420</td>
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<tr>
<td>IDST 421 Federal Indian Law and Policy I</td>
<td>5</td>
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<td>GOVT 421</td>
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<td>IDST 422 Federal Indian Law and Policy II</td>
<td>5</td>
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<td>GOVT 422</td>
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<tr>
<td>IDST 477 Contemporary Indigenous Women</td>
<td>5</td>
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<td>WMST 477</td>
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<td>HIST 480</td>
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<td>IDST 485 Indigenous Education</td>
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<td>EDUC 485</td>
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<td>IDST 495 Indian Studies Internship</td>
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<tr>
<td>IDST 497 Workshops, Short Courses, Conferences</td>
<td>1–5</td>
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<td>IDST 498 Seminar</td>
<td>5</td>
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<tr>
<td>IDST 499 Directed Independent Study</td>
<td>1–5</td>
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</table>

Note: only one Salish language class

Required foundation courses 40 credits
Two required emphasis areas 40 credits
Minimum total credits for above major 80 credits
**MINOR**

**RACE AND CULTURE STUDIES MINOR (18 CREDITS)**

The mission of the academic minor in the Study of Race and Culture is to contribute to the overall mission of Eastern Washington University “to prepare broadly educated, technologically proficient and highly productive citizens to obtain meaningful career, to enjoy enriched lives and to make contributions to a culturally diverse society.” More specifically, RCST provides Eastern Washington University students a comprehensive interdisciplinary curriculum that contributes to their understanding and appreciation of the experiences, concerns and perspectives of the three major historically marginalized populations, (African Americans, Chicanos/Latinos and Native Americans) in the United States.

**Central Core Emphasis of the RCST Minor**

Students majoring in RCST enroll in a core curriculum using interdisciplinary and comparative perspectives. RCST minors study the history, culture, social-economics and political realities of these communities. More specifically, RCST minors gain insights about international connections relevant to these groups as well as participate in research and community based study to augment classroom learning.

**Grade Requirements**

In order to graduate with a minor in Race and Culture Studies students must have a minimum grade point ≥2.0 and all courses completed towards the minor must be ≥2.0.

**Foundation Courses (15 credits)**

- RCST 101 Introduction to Race and Culture (5)
- RCST 202 Race, Privilege and Power (5)
- RCST 304 Liberation and Social Change (5)

**Race and Culture Studies Courses**

- **RCST 101** An Introduction to the Study of Race and Culture (5)  
  Prerequisite:  
  Satisfaction:  
  This course is specifically designed to discuss at length the social construct and the lived realities of race and culture and how global diversity, the richness of culture and complexities that internationalization and globalization impact our current realities.

- **RCST 202** Race, Privilege and Power (5)  
  Prerequisite:  
  Satisfaction:  
  This course examines social stratification in the United States through the prism of race, privilege, and power. The course analyzes how social structure and ideology maintain social inequality. Specifically, it examines the ways in which the American economic, political and social systems perpetuate and reinforce inequality based on differences in class, race, culture and gender and access to power.

- **RCST 304** Liberation and Social Change (5)  
  Prerequisite: RCST 101.  
  This course examines the ageless social liberation movements and struggles to be free through change: free to be critical of one’s condition; free to express oneself without fear of retribution; or free from social, economic, political or religious oppression. It examines social change as it refers to an alteration in the social order of a society. This course is designed to focus on the liberation struggles, movements and social change of those historically marginalized populations in the U.S. The objective is to focus specifically on the struggles of African Americans, Chicanos, Native Americans and Asian Americans, a select few women and men and the liberation movements most associated with them.

- **RCST 330** Researching Race and Culture (5)  
  Prerequisite: RCST 101.  
  The purpose of this course is to help the student develop a general understanding of the research methods commonly used to gain and extend knowledge about race and culture. Students gain exposure to theory, knowledge and techniques that increase their effectiveness in thinking about consuming and conducting research about race and culture. The course is designed to be both an application and a theory course with the emphasis on gaining an initial understanding of the research processes.

**Choose one 300- or 400-level course from each of three programs below.**

**Africana Studies Program**

- AAST 301 Harlem Renaissance: Reconstruction . . . (5)
- AAST 315 African History: Ancient Africa . . . (5)
- AAST 320 African American Family (5)
- AAST 331 History and Dynamics of U.S. Slavery (2)
- AAST 347 Peoples of Africa (5)
- AAST 375 African American Cinema: 1915–1990 (5)
- AAST 381 Contemporary African American . . . (5)
- AAST 324 Economics of Poverty and Discrimin . . . (5)
- AAST 430 African American Women's History (5)
- AAST 435 Negro Spirituals (1)
- AAST 481 Dr. King and Malcolm X: A Comparison (2)
- AAST 495 Africana Studies Internship (1–5)
- AAST 499 Independent Directed Studies (1–5)
- ART 310 World Art (5)

**Chicano Studies Program**

- CHST 300 Survey of Chicano Literature (5)
- CHST 310 Latinas and Latinos in the U.S. Media (5)
- CHST 320 Chicano-Latino Politics in America (5)
- CHST 330 Latino Immigration to the United States (5)
- CHST 351 The Latino Family in the U.S. (5)
- CHST 340 Latina/o Communities in the U.S. . . . (5)
- CHST 405 Chicano Internship Practicum (1–5)
- CHST 458 Chicano Experience (1–5)
- CHST 499 Directed Study (1–5)

**Indian Studies Program**

- IDST 316 American Indian History I (5)
- IDST 317 American Indian History II (5)
- IDST 325 Native American Writing (5)
- IDST 330 Indian Wars Past and Present (5)
- IDST 338 American Indian Cinema (5)
- IDST 380 Survey of Native American Literatures (5)
- IDST 420 Readings In Decolonization (5)
- IDST 421 Federal Indian Law and Policy I (5)
- IDST 422 Federal Indian Law and Policy II (5)
- IDST 477 Contemporary Indigenous Women (5)
- IDST 480 Native American Oral Traditions (5)
- IDST 485 Indigenous Education (5)
- IDST 495 Indian Studies Internship (1–5)
- IDST 497 Workshops, Short Courses, Conferences (1–5)
- IDST 498 Seminar (5)
- IDST 499 Directed Independent Study (1–5)

**Minimum total credits for above minor** 18 Credits

**RECREATION AND LEISURE SERVICES**

See PHYSICAL EDUCATION, HEALTH AND RECREATION.
RELIIGIOUS STUDIES

Minor

UNDERGRADUATE PROGRAM
Religion strives to show connections and relationships among all types of human experience. As a major aspect of human life and culture, it receives systematic study in many disciplines. Therefore, many departments offer courses in this program.

Required courses in the following program of study may have prerequisites. Reference the course description section for clarification.

MINOR

RELIGIOUS STUDIES MINOR (25 CREDITS)
This minor is designed for those students majoring in an allied discipline and preparing for graduate seminary study, or for students majoring in any other discipline but wishing to pursue the subject of religion for its importance in other fields. Students are also advised to consider other offerings in the humanities program. All interested students should consult with the program advisor or the coordinator of humanities.

Required Courses (5 credits)
HUMN 215 Introduction to Religion (5)

Select two courses from the following (10 credits)
ANTH 454 Myth, Ritual and Magic (5)
HUMN 315 East-West Philosophies and Religions (5)
PHIL 312 Philosophy of Religion (5)

Select two courses from the following (10 credits)
ANTH 436 Politics of Culture: Israel and Palestine (5)
ANTH 457 Witchcraft, Sorcery and Shamanism (5)
ART 417 History of Medieval Art (5)
ENGL 385 Mythology (5)
ENGL 387 Literature of the Bible (5)
HIST 320 Middle Eastern History and Culture (5)
HIST 336 Geographies of Conflict in the Middle East (5)
ENGL 452 Chaucer (5)
HIST 341 The Renaissance and the Reformation (5)
HUMN 315 East-West Philosophies and Religions (5)
HUMN 440 Perspectives on Death (5)
PHIL 312 Philosophy of Religion (5)
PHIL 321 History of Modern Western Philosophy (5)
PHIL 331 Chinese Philosophy (5)

Minimum credits for above minor 25 credits

Note: special substitutions may be made with the approval of the program advisor or the coordinator of the humanities program.

Courses

See course descriptions listed under participating programs and departments: anthropology, art, English, history, humanities, philosophy.
Knowing what / Thou knowest not / Is in a sense / Omniscience.

Piet Hein, poet and scientist (1905–1996)
The College of Social & Behavior Sciences and Social Work offers a series of college-wide foundation courses in social science theory, statistics, computer-aided statistics, qualitative research methods and qualitative research methods. These classes may be required or listed as options in each of the social and behavioral science majors. Check the foundation course requirements in the specific major.

Social and Behavioral Sciences Courses

Terms offered: check with the department or EagleNET.

CSBS 110  Practicum in Community Involvement (2–5)
This course provides students with an intensive practicum experience working with a local or regional agency.

CSBS 200  Introduction to Leadership (3)
An introduction to basic leadership skills, this course will cover models in a variety of areas such as communication, decision making, problem solving, time management, conflict resolution and ethics. This course is the introductory course to the Leadership Certificate, for more information go to Communication Studies.

CSBS 310  Foundations of Social and Behavioral Sciences Theory (5)
Prerequisites: completion of the general education core course requirements in the social sciences as specified in this catalog or permission of the instructor.
This course is intended to expose the philosophic choices and historical constraints that underlie all of the social and behavior sciences. In terms as simple as possible, we explore foundational alternatives (which may include idealism vs. materialism, individualism vs. holism, structure vs. agency, value neutrality vs. social critique) and the impact of history on the social and behavioral sciences. By emphasizing the controversy and diversity within the disciplines and the social contexts that shape them, we encourage students to discover sharply critical perspectives on the social and behavioral theories that claim to tell us how the world works.

CSBS 320  Introductory Statistics for the Social Sciences (5)
Prerequisites: MTHD 104 or mathematics clearance by test. MATH 107 recommended.
Introduces the theory and procedures underlying the use of statistics in the social sciences. During the first half of the class, methods are presented for organizing distributions, summarizing their key properties, conveying the relative standing of individual scores in distributions and measuring relations between pairs of variables. Commonly used procedures for testing hypotheses in the social sciences are presented in the second half of the class.

CSBS 321  Computer Aided Data Analysis (4)
Prerequisites: CSBS 320 or equivalent, CPLA 120 or equivalent.
Introduces the use of SPSS running on personal computers for analyzing data in the social sciences. Topics include basic tasks such as entering and transforming data. Procedures covered include obtaining summary statistics of single variables, graphing variables, organizing multivariate data, and testing hypotheses with t-tests, the analysis of variance, regression and selected nonparametric tests. Fundamentals of factor analysis and discriminant function analysis are introduced with guidelines for interpreting output.

CSBS 494  Leadership Portfolio (2)
Prerequisite: permission of certificate advisor.
Supervised by the certificate advisor, students will compile an assessment portfolio of significant assignments completed during the certificate program. In addition, students will enhance the portfolio by completing various exercises, including the development of a formal statement regarding their leadership philosophy. These statements will integrate various concepts and theories surveyed and critiqued during the certificate program. Students are required to give an oral presentation of their statements to an audience composed of invited peers, faculty and Certificate Advisory Board members.
He shall mark our goings, question whence we came / Set his guards about us, as in Freedom’s name / He shall peep and mutter, and night shall bring / Watchers ‘neath our window, lest we mock the King.

Rudyard Kipling, author, Nobel laureate (1865–1936)
### UNDERGRADUATE PROGRAMS

Required courses in the following programs of study may have prerequisites. Reference the course description section for clarification.

#### BACHELOR OF ARTS IN EDUCATION (BAE)

**Note:** see the Education Department for prerequisites, core requirements and additional SLOs.

**Student Learning Outcomes—students will:**

- understand chronology and cause-and-effect relationships in U.S., world and Washington state history;
- understand the core principles of U.S., democracy and understand the rights and responsibilities of citizenship;
- understand major developments, eras and turning points in U.S., world and Washington state history;
- explain the spatial arrangements of people, places and environments using maps, charts and other tools;
- use sources of information such as historical documents and artifacts to investigate and understand historic occurrences;
- understand monetary systems, consequences of economic choices and influence of government policies upon the economy.

#### SOCIAL STUDIES ELEMENTARY MAJOR (60 CREDITS)

**ELEMENTARY EDUCATION CORE (70 CREDITS)**

This major does not meet a state of Washington endorsement.

**Note:** this major requires a grade of 2.5 in all coursework done in the major at Eastern.

**Required Courses (60 credits)**

- ANTH 101 Cultural Anthropology (5)
- or SOCI 320 Race and Ethnic Relations: Global Perspectives (5)
- or SOCI/WMST 321 Sex and Gender (5)
- ECON 100 General Education Economics (5)
- or ECON 200 Introduction to Microeconomics (5)
- GEOG 101 Fundamentals of Human Geography (5)
- or GEOG 301 Human Geography (5)
- GEOG 230 World Regional Geography (5)
- GOVT 100 Modern Government in American Context (5)
- HIST 104 East Asia: Tradition and Transformation (5)
- or HIST 105 Western Heritage: Origins to the 18th Century (5)
- or HIST 106 Western Heritage: 18th Century to the Present (5)
- or HIST 306 Modern Europe (5)
- HIST 301 History of the Present (5)
- or Diplomatic History elective (5)
- HIST 303 U.S. History, 1607–1877 (5)
- HIST 304 U.S. History, 1877–Present (5)
- HIST 365 Latin America History (5)
- or Latin American History elective (5)
- HIST 483 History and Government of the Pacific Northwest (5)
- SOST 390 Social Studies in the Secondary School (4)
- SOST 490 Senior Capstone: Social Studies in the Public Schools (4)
- One upper division non-U.S. History elective (4)
- One upper division U.S. History elective (4)

**Total credits for above major 76 credits**

**Note:** students must complete at least 15 credits of this major at Eastern Washington University.

#### SOCIAL STUDIES/SECONDARY MAJOR (76 CREDITS)

**SECONDARY EDUCATION CORE (43 CREDITS)**

This major satisfies the endorsement for grades 5–12.

**Note:** this major requires a grade of 2.5 in all coursework done in the major at Eastern.

**Required Courses**

- ANTH 101 Cultural Anthropology (5)
- or SOCI 320 Race and Ethnic Relations: Global Perspectives (5)
- or SOCI/WMST 321 Sex and Gender (5)
- ECON 100 General Education Economics (5)
- or ECON 200 Introduction to Microeconomics (5)
- GEOG 101 Fundamentals of Human Geography (5)
- or GEOG 301 Human Geography (5)
- GEOG 230 World Regional Geography (5)
- GOVT 100 Modern Government in American Context (5)
- HIST 104 East Asia: Tradition and Transformation (5)
- HIST 105 Western Heritage: Origins to the 18th Century (5)
- or HIST 106 Western Heritage: 18th Century to the Present (5)
- or HIST 306 Modern Europe (5)
- HIST 301 History of the Present (5)
- or Diplomatic History elective (5)
- HIST 303 U.S. History, 1607–1877 (5)
- HIST 304 U.S. History, 1877–Present (5)
- HIST 365 Latin America History (5)
- or Latin American History elective (5)
- HIST 483 History and Government of the Pacific Northwest (5)
- SOST 390 Social Studies in the Secondary School (4)
- SOST 490 Senior Capstone: Social Studies in the Public Schools (4)
- One upper division non-U.S. History elective (4)
- One upper division U.S. History elective (4)

**Total credits for above major 76 credits**

**Note:** students must complete at least 15 credits of this major at Eastern Washington University.

#### SOCIAL STUDIES/ADD-ON ENDORSEMENT (60 CREDITS)

(For students who currently possess a Washington State Teaching Certificate. Also, this constitutes a primary endorsement for those possessing a BA in one of the Social Studies.)

This add-on satisfies the endorsement for grades 5–12.

**Note:** this add-on endorsement requires a grade 2.5 in all coursework done in the add-on at Eastern.

**Required Courses**

- ANTH 101 Cultural Anthropology (5)
- or SOCI 320 Race and Ethnic Relations: Global Perspectives (5)
- or SOCI/WMST 321 Sex and Gender (5)
- ECON 100 General Education Economics (5)
- or ECON 200 Introduction to Microeconomics (5)
- GEOG 101 Fundamentals of Human Geography (5)
- or GEOG 301 Human Geography (5)
- GEOG 230 World Regional Geography (5)
- GOVT 100 Modern Government in American Context (5)
- HIST 104 East Asia: Tradition and Transformation (5)
- HIST 105 Western Heritage: Origins to the 18th Century (5)
- or HIST 106 Western Heritage: 18th Century to the Present (5)
- or HIST 306 Modern Europe (5)
- HIST 303 U.S. History, 1607–1877 (5)
- HIST 304 U.S. History, 1877–Present (5)
- HIST 483 History and Government of the Pacific Northwest (5)
- HIST 499 Directed Study (1)
- SOST 390 Social Studies in the Secondary School (4)

**Total credits for above add-on endorsement 60 credits**
Social Studies Courses

Terms offered: fall, winter, spring, summer (FWSU). If no terms are indicated, check with the department or EagleNET.

SOST 390  Social Studies in the Secondary School (4) FW
Prerequisite: EDUC 303 or permission of the instructor.
The social studies program for secondary schools. Objectives, curricula, teaching materials, techniques and field experience.

SOST 490  Senior Capstone: Social Studies in the Public Schools (4) WS
Prerequisites: SOST 390 and senior status in the Social Studies Education major or permission of the instructor.
Satisfies: senior capstone university graduation requirement.
An examination of the objectives, curricula, teaching materials, techniques and methods of social studies.

SOST 497  Social Studies Workshops (1–5) FWSU
SOST 498  Seminar (1–5) FWSU
SOST 499  Directed Study (1–5) FWSU
Prerequisites: permission of the instructor and the department chair and college dean.
The School of Social Work at Eastern Washington University is committed to the ongoing development of social work education which instills a core commitment to building a society based on social and economic justice and enhancing opportunities for human well-being. The School engages students in the acquisition of critically assessed knowledge and practice skills focused on working collaboratively and therapeutically with people.

**Vision**

The School prepares social work professionals for practice in the public sector or in those private agencies which address the needs of oppressed and disadvantage populations. Students are provided with the necessary values, knowledge and skills to practice within a rural/regional/small urban service delivery system environment. Graduates assume key professional practice roles in human service agencies, community organizations, collaborative networks and change focused coalitions.

The curriculum prepares students to engage in processes aimed at empowering individuals to improve their life situation and to modify the organizational, community and societal conditions that prevent oppressed populations from obtaining a basic quality of life.

Through the combined commitment of the practice community and faculty, the School prepares students at the undergraduate and graduate levels for professional social work practice; serves place-bound individuals by providing structured part-time, off-campus, programs; responds to the needs of practitioners through the provision of continuing education, staff development and consultation; and undertakes research activities which contribute to the creation and dissemination of knowledge relevant to the profession.

**Affirmative Action**

The School is committed to a policy of no discrimination on the basis of race, sex, religion, national origin, age, sexual orientation or disability. Beyond this is a commitment to affirmative action goals.

The profession of social work has officially taken the position that an increasing proportion of society’s resources should be made available to members of minority racial and ethnic groups. This School supports this position and seeks to implement it through recruitment efforts, allotment of financial aid and employment practices.

**Accreditation**

The School of Social Work at Eastern Washington University is accredited at the baccalaureate and master’s levels by the Council on Social Work Education.

Graduates of the School’s BASW Program will be able to:
1. identify as a professional social worker and conduct oneself accordingly;
2. apply social work ethical principles to guide professional practice;
3. apply critical thinking to inform and communicate professional judgments;
4. engage diversity and difference in practice;
5. advance human rights and social and economic justice;
6. engage in research-informed practice and practice-informed research;
7. apply knowledge of human behavior and the social environment;
8. engage in policy practice to advance social and economic well-being and to deliver effective social work services;
9. respond to contexts that shape practice;
10. practice professionally with individuals, families, groups, organizations, and communities through effectively engaging, assessing, intervening and evaluating.

Admissions Requirements for High School Students

Students planning to major in social work should have a strong college preparatory background. Volunteer or employment experience with a social service agency is also strongly recommended.

Admissions Requirements for Transfer Students and Students Completing AA Degrees

Early planning is highly advantageous to the student. Transfer students must make an appointment to see the Coordinator of Undergraduate/Graduate Student Services 509.359.6482 to assist in the transfer.

**Application Procedures**

There are two separate application procedures for admission. Students must be admitted to EWU and be admitted to the School of Social Work. Students seeking admission to the social work program must submit application materials prior to beginning the junior year, normally the winter or spring quarters. Pre-major advising is available through the School by calling 509.359.6482. Applications are available on our web page, ewu.edu/basw. Please visit this web page for application deadline information.

**Admissions Criteria**

Admission to the program is based on cumulative GPA, a personal statement addressed to the applicant’s motivation for choosing social work as a career and experience relevant to social work and two personal references from faculty or others familiar with how you could perform social work tasks. Applications are reviewed and evaluated by faculty to select candidates with strong potential to enter practice upon completion of their degree work.

Before applying to the program, applicants should have completed most or all of their GECRs (General Education Core Requirements). In addition, they should have completed or be in the process of completing the university language and other EWU requirements. If these requirements are not complete at the time of application, students should have a plan to complete them and include that plan in their personal statement. Students who have not completed all of their other EWU graduation requirements shall submit a plan for accomplishing this before they will be formally admitted into the BASW Program.

**School of Social Work Curriculum**

The curriculum is designed to meet the goals of the program within a framework that includes a broad liberal arts education and focused professional social work education and socialization.

Social work classes and support classes with a <2.0 are not acceptable for graduation. Credit for life experience cannot be given for any social work course.
The Field Practicum
The field practicum experience in the social work program is considered a vital element of the curriculum leading to a Bachelor of Arts degree. It is the major vehicle that permits the student to discover abilities and areas of growth, integrate theory with practice and explore the world of social welfare services. Students with prior volunteer or work experience will need to seek placements that offer new learning, different tasks, new contacts and opportunities for personal growth.

To enter the practicum, students must have completed all of the social work courses up to the point of practicum entry with a minimum average GPA of 2.7. The field practicum is open to majors only. Application for the practicum is completed in spring quarter of the student’s junior year. Based upon their learning objectives, students are carefully matched with public or private agency settings in diverse areas of service. Students with prior volunteer or work experience are urged to seek placements that offer different tasks, new contacts and opportunities for personal growth.

**BACHELOR OF ARTS (BA)**

Student Learning Outcomes—students will:

- be open to new ideas, think critically and be capable of incorporating evidenced based theories and interventions into their professional social work tasks;
- take a leadership role in understanding, articulating and advocating on behalf of client definitions of social and personal problems, client strengths and client defined solutions;
- base their practices on systems and empowerment theories and ecological and strengths perspectives, as well as other understandings supported by scientific evidence;
- perform a wide range of tasks and roles within the context of organizational and service delivery structures and bring enthusiasm and creativity to generalist social work practice;
- define themselves as professional social workers, guided by social work values and ethical standards which include a deep respect for diversity in all its forms and a commitment to work with populations-at-risk for social justice.

**BASW Program course of study sequence by term**

<table>
<thead>
<tr>
<th>BASW Program course of study sequence by term</th>
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<tbody>
<tr>
<td>FIRST YEAR (junior)</td>
</tr>
<tr>
<td>Fall</td>
</tr>
<tr>
<td>SOWK 273</td>
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<td>SOWK 381</td>
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<td>SOWK 468</td>
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<td>SOWK 480</td>
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| SECOND YEAR (senior)                        |
| Fall | Winter | Spring |
| SOWK 476 | SOWK 478 | SOWK 479 |
| SOWK 477 | SOWK 482 | SOWK 482 |
| SOWK 482 | SOWK 490 | SOWK 490 |

**SOCIAL WORK MAJOR (76 CREDITS)**

Note: two years of a single high school foreign language or one year of a single college level foreign language is required.

**Note:** SOWK 482 must be repeated three times for a total of 15 credits.

**Required Courses (76 credits)**

- SOWK 273 Introduction to Social Work (5)
- SOWK 378 Human Behavior in the Social Environment I (4)
- SOWK 379 Human Behavior in the Social Environment II (4)
- SOWK 381 Diversity and Social Work Practice (4)
- SOWK 459 Survey of Microsystemic Practice Theories (4)
- SOWK 468 Social Work Research (4)
- SOWK 469 Data Analysis for Social Work (4)
- SOWK 470 Social Policy Analysis (4)
- SOWK 475 Social Work Engagement and Assessment I (4)
- SOWK 476 Social Work Engagement and Assessment II (4)
- SOWK 477 Social Work with Communities (4)
- SOWK 478 Social Work with Individuals (4)
- SOWK 479 Social Work with Groups (4)
- SOWK 480 Field Preparation (1)
- SOWK 482 Practicum (5)*
- SOWK 490 Social Work Senior Capstone (4)

**BASW required elective (3 credits)**

**Total credits for above major**

76 credits
GRADUATE PROGRAM

MASTER OF SOCIAL WORK PROGRAM (MSW)

Student Learning Outcomes—students will:

• critique and implement evidence and strengths-based intervention models within an ecological practice framework;
• form relationships with community partners to meet client needs and address barriers to social justice across systems of all sizes;
• practice from case to cause and back to case, demonstrating an understanding of the interplay between policy and practice and the impact on client systems;
• engage in participatory forms of applied research to solve community problems.

The Master of Social Work Program was established in 1974, following authorization by the state government to meet the need for graduate professional education in social work in the Inland Northwest. The first class of graduate students was admitted in 1975, at which time the program was granted accreditation candidacy status by the Council on Social Work Education (CSWE). Full accreditation was conferred in 1977, reaffirmed in 1984, 1993, 2001 and again in 2008.

The generalist foundation or first half of the MSW program focuses on the CSWE Core Competencies:

1. identify as a professional social worker and conduct oneself accordingly;
2. apply social work ethical principles to guide professional practices;
3. apply critical thinking to inform and communicate professional judgments;
4. engage diversity and difference in practice;
5. advance human rights and social and economic justice;
6. engage in research informed practice and practice-informed research;
7. apply knowledge of human behavior and the social environment;
8. engage in policy practice to advance social and economic well-being and to deliver effective social work services;
9. respond to contexts that shape practice;
10. engage, assess, intervene, and evaluate with individuals, families, groups, organizations, and communities.

The advanced or second half of the MSW program focuses on Advanced Generalist Practice. Advanced generalist practice builds on the generalist foundation and increases the depth and breadth for practice from a multi-level and theoretically sound perspective. We are striving for a deep understanding and application of the “spirit” of social work that embraces social justice in all areas of practice.

Specifically, advanced general practice for the EWU School of Social Work prepares the student for self-directed and autonomous practice through:

1. advanced knowledge and skills in assessment and intervention methods of research informed practices within a generalist framework;
2. readiness for leadership in a variety of arenas and practice settings, including program development, coordination, administration and supervision;
3. social action knowledge and skills in policy analysis, development, legislation action, and community development;
4. integrated research knowledge and skills that prepare students to evaluate their own practice, programs, and the evidence supporting specific interventions;
5. elective content, advanced knowledge and skills in specific areas of practice, such as aging, palliative care, disabilities, public health, mental health, addiction, school social work, and child welfare.

MSW Choices

The School Provides Two Options for the MSW: Campus full-time study and community-based part-time study. Advanced Standing programs are available in both campus and community based settings. The GRE is not required for the full-time, part-time or Advanced Standing.

Full-time Campus Program: Students are admitted to the campus program every fall quarter. They follow standard academic-year calendars and complete their degrees within six quarters, excluding summers, in a program of full-time study. Because of the demands of the full-time program, full-time employment is not recommended while a student is in the program.

Part-Time Community-Based Programs: These structured outreach programs have been designed for people who cannot leave job and family to return to school on a full-time basis for a graduate education. Everett and Vancouver offer coursework two evenings per week. Spokane offers a hybrid program. Courses are held at the Riverpoint campus three weekends per quarter and the rest are online.

All part-time programs are based on a cohort model that begins once every three years. The sequencing of coursework in the part-time programs may vary by location. The curriculum requirements for graduation are the same as those for the on-campus program; however, courses are taken over a three-year period, including summers. These programs charge differential tuition; therefore, there is a higher per-credit fee than the on-campus program to cover faculty travel, use of off-campus facilities and program coordination.

Advanced Standing Program: This program allows qualified BSW graduates to complete their MSW degree within three quarters and one summer term in the full-time program or in seven consecutive quarters in the part-time program. Students are admitted to the full-time campus program every fall quarter. Sequencing of Advanced Standing coursework in the part-time programs may vary by location.

Admission to the MSW Program is based on the following:

1. successful completion of a bachelor’s degree from an accredited college or university;
2. a cumulative grade-point average ≥3.00 in the last 90 graded quarter credits or 60 graded semester credits; b. upon recommendation of the Graduate Program Director, the Dean of Graduate Studies may admit a limited number of students, with a GPA <3.00, based upon considerations which includes performance in relevant graduate courses and faculty evaluations;
3. completion of 3 credit hours of an introductory statistics course covering descriptive and inferential statistics and basic hypothesis testing with a grade ≥2.5 (B-). If you have not completed such a course, you must submit a plan in your admission material describing how you will complete this requirement prior to registering for the first quarter classes in the MSW program.

Admission to the MSW Advanced Standing Option is based on the following:

Admission requirements are similar to those of the full-time program but also require a GPA ≥3.50 in undergraduate social work courses and a bachelor’s degree in social work awarded no longer than seven years before the application date. The degree must be from a CSWE accredited undergraduate social work program. No exceptions are made to policies regarding Advanced Standing.

Applicants who have questions concerning these criteria are advised to contact the School for further information.

Application Procedures: Applications for each academic year are available the prior September. Early application is advised. The School reviews applications when all materials are received. Approved applicants are then pooled and final decisions are made by the MSW Admissions Committee. (Stronger applicants may be informed of the admission decision prior to the decision deadlines.) Please check the website for decision deadlines ewu.edu/msw.

Transfer Students from other CSWE Accredited MSW Programs: Up to 45 credits of foundation year MSW course work can transfer. Check with the graduate director for additional information.
MSW Degree Requirements

Overview of the Curriculum: The MSW program prepares professional social workers to engage in advanced generalist practice across multiple systems and provides leadership for social justice. The curriculum consists of a foundation for generalist practice and an advanced curriculum for advanced generalist practice.

The foundation curriculum focuses on social work practice, social welfare policy and theories of human behavior in the social environment. Courses include Foundations of Professional Social Work Practice, Social Work Assessment and Practice with Individuals and Families, Introduction to Social Welfare and Policy of Practice and Human Development in Contemporary Environments. Social Work Practice in a Diverse Society develops knowledge of diverse populations with whom and on behalf of whom, social workers practice. The course also explores practice principles for working with people of difference and for working in an increasingly diverse society. Social Work Intervention and Evaluation with Individuals and Families and Social Work Groups continue the development of practice knowledge and skills.

The foundation continues to prepare students for generalist practice with systems of different sizes through the course Organizational and Community Practice. Students learn to critically evaluate and use research in their practice in the course Research Methods for Program and Practice Evaluation. Students also begin the first two quarters of a five-quarter field practicum and integrative seminar near the middle of the foundation curriculum.

The MSW program requires a total of 952 hours of field practicum and 80 hours of integrative seminar sequenced over the course of the program. Before beginning their foundation practicum, two year students participate in SOWK 580 Field Preparation during fall quarter. After completing this course, each student is placed in a social service agency or other public or private organization related to the welfare of people. Direction and instruction are provided by a faculty member of the School, working collaboratively with a designated agency supervisor in the organization. The faculty member, the agency supervisor and the student negotiate a contract specifying student learning goals, potential field learning experiences and the means for evaluating the field learning. Agencies and organizations throughout the state of Washington in rural, urban and regional settings are used as field placements.

Students who wish to complete practicum requirements within their current or former workplace must indicate this desire to the School at the time of admission. This indication does not automatically ensure a practicum in the workplace. Consideration will be given to each request individually. Practicum placements in the workplace must conform with all of the School’s existing field practicum requirements.

Courses in the advanced portion of the curriculum prepare students for advanced generalist practice with systems of all sizes. Students develop leadership skills working with clients and communities to advance social justice, particularly for socially excluded, at-risk or marginalized populations. SOWK 602 Clinical Diagnosis and Evidence Based Treatment, SOWK 603 Leadership and Management in Human Service Organizations present theoretical models and specific skills in engagement, assessment and intervention with individuals, families, groups, organizations and communities. SOWK 568 Proseminar in Social Welfare Policies and Programs examines the political context for decisions that affect the lives of clients. SOWK 526 Research Methods II, is also part of the advanced portion of the curriculum. Students also choose 16 credits of elective courses to help focus their learning to meet their professional goals. The required Practicum and its related seminar continue throughout each quarter of the advanced portion of the curriculum.

The Curriculum Delivery Plan: The MSW curriculum comprises sequenced foundation and advanced coursework. On-campus, full-time students complete the curriculum in two years or six quarters. Off-campus, part-time students complete the program in a sequenced manner over the course of three years or 12 quarters.

Foundation Curriculum
SOWK 525 Research Methods for Program and Practice Evaluation (4)
SOWK 530 Organizational and Community Practice (4)
SOWK 531 Introduction to Social Welfare and Policy (4)
SOWK 532 Foundations of Professional Social Work Practice (4)
SOWK 533 Social Work Assessment and Practice with Individuals and Families (4)
SOWK 540 Human Development in Contemporary Environments (4)
SOWK 541 Social Work Practice in a Diverse Society (4)
SOWK 550 Social Work with Groups (4)
SOWK 553 Social Work Intervention and Evaluation with Individuals and Families (4)
SOWK 571 Foundation Practicum/Seminar (1–4)
SOWK 580 Field Preparation (1)

Advanced Curriculum in Advanced Generalist Practice
SOWK 526 Research Methods II (4)
SOWK 568 Proseminar in Social Welfare Policies and Programs (4)
SOWK 581 Integrative Seminar I (1)
SOWK 582 Integrative Seminar II (1)
SOWK 583 Integrative Seminar III (1)
SOWK 584 Integrative Seminar IV (1)
SOWK 602 Clinical Diagnosis and Evidence Based Treatment (4)
SOWK 603 Leadership and Management in Human Service Organizations (4)
SOWK 671 Advanced Practicum/Seminar Variable (4, 4, 5)

Electives (16 credits)

Advanced curriculum in advanced generalist practice credits 35 credits
Electives 16 credits

Minimum total required program credits 90 credits

Students are required to complete 90 credits of required and elective coursework (51 credits in the Advanced Standing Program) and must maintain a cumulative GPA ≥3.0.

Prior to earning 45 credits (during fall quarter for Advanced Standing Program), students will develop a contract program in consultation with faculty, outlining the program of courses to be completed for the degree. This contract will be based on the student’s career goals, standards of the profession and the objectives of the School. Development and approval of the contract program will be accomplished in conjunction with advancement to degree candidacy.

The research requirement of the university is met by successful completion of two research courses which includes a research project. Students may choose to engage in an additional research project and students who elect to do so may also produce a thesis.

A final comprehensive oral examination will be administered in the student’s final quarter.
ADVANCED STANDING PROGRAM (51 CREDITS)

Summer preparation program (6 credits) is required before entry to second year fall quarter classes.

The one-year Advanced Standing Program is only for persons with a BASW/BSW. In addition to the requirements for admission to the two-year program, the following requirements must be met:

1. a bachelor of social work degree must have been awarded no longer than seven years before the application date and the degree must be from a CSWE accredited undergraduate social work program,

2. an overall undergraduate GPA ≥3.0 (on a 4.0 scale) and a GPA ≥3.5 in BSW course work.

This program requires a total of 51 credits. Foundation or first-year, course requirements are waived because students have received equivalent content in their BSW programs. A 6 credit Professional Preparation Seminar is required to prepare students for their advanced portion of the curriculum.

Advanced Standing Preparation
SOWK 561 Advanced Standing Seminar (6)

Advanced Required Classes (20 credits)
SOWK 526 Research Methods II (4)
SOWK 568 Proseminar in Social Welfare Policies and Programs (4)
SOWK 581 Integrative Seminar I (1)
SOWK 582 Integrative Seminar II (1)
SOWK 583 Integrative Seminar III (1)
SOWK 584 Integrative Seminar IV (1)
SOWK 602 Clinical Diagnosis and Evidence Based Treatment (4)
SOWK 603 Leadership and Management in Human Service Organizations (4)

Elective Courses (12 credits)
Advanced Practicum/Seminar (13 credits)

Innovative Program Options
The School of Social Work offers several ways in which students can focus their programs of study to meet their professional goals. Certificates typically require 12 credits. In some circumstances, such as the MPA Certificate, all 12 of these elective credits may be used in lieu of Social Work electives. For other certificates only 8 credits can be used in lieu of Social Work electives. Interested students should contact the MSW Advisor, at 509.359.6482, for additional information and/or individuals associated with programs listed below.

Certification for School Social Work
www.k12.wa.us/certification/ESA/InitialSecondIssue

The state of Washington requires certification to qualify for employment in the public school system. EWU does not manage the certification process. The School of Social Work offers the course School Social Work and School Law. While a practicum is no longer required for certification, we do offer field placements in school settings.

Addiction Studies Certificate
Grace Creasman, 509.359.2356, gcreasman@ewu.edu

The Addiction Studies Graduate Certificate is designed for persons who have completed a bachelor’s or master’s degree with a background in social work or a related field who are interested in obtaining coursework that can lead to certification as a Chemical Dependency Professional.

MSW/MPA Dual Degree Program and MPA Certificate
Ning Li, 509.828.1264, ning.li@ewu.edu

Certificate: This 12 credit certificate provides interested students with content in: Planning and Budgeting, Grant Writing and Personnel Management. The Three courses provide elective credit to the MSW degree. Students may also take related courses in Public Administration without pursuing the certificate.

Dual degree: More comprehensive than a Certificate, this cooperative degree option allows students to prepare for professional employment in both social worker and public administration. Interested students are encouraged to review the catalog descriptions in Public Administration to get an overview of the coursework in this field.

Center for Studies in Aging
Kim Stansbury, 509.359.4538, kstansbury@ewu.edu

The Center provides interested students an opportunity to focus their coursework and practicum experience in the growing area of practice with older adults. Many of the community-based internships offer a stipend to qualified students. The Center sponsors a Scholar-in-Residence and has established strong community and organizational linkages to develop programs that better meet the needs of our aging population.

MSW/JD Degree
ewu.edu/msw—www.law.gonzaga.edu/admissions

Offered in collaboration with Gonzaga University Law School, students complete the requirements of both professional programs. Approximately 12 credits are counted toward both programs of study. In consultation with advisors in law and social work, students are placed in practica that address the legal and psychosocial needs of vulnerable clients. Integrative seminars allow students to better identify points of intersection of social work and the law and how practice in one field can enhance work in the other.

Student Organization
The social work graduate student organization is recognized by the university as an established student organization and, as such, may request funding from the Associated Students of EWU to sponsor additional educational endeavors; e.g., workshops, guest speakers. Graduate students are encouraged to become members of the School of Social Work committees and other university and community committees and organizations.
EASTERN WASHINGTON UNIVERSITY 2014–15

Social Work–BASW Courses

Terms offered: fall, winter, spring, summer (FWSU).

This course explores the history of social work and social welfare in the United States. Students will gain an understanding of values and ethics related to social work practice; social work interventions related to issues of social justice, oppression and discrimination.

SOWK 305 The African American Family (5)
Cross-listed: AAAS 305, SOC 371.
The African American Family as a social system influenced by institutions of the larger American society.

SOWK 377 Alternatives to Domestic Violence (2)
Cross-listed: WMST 377.
This course analyzes theories relevant to issues of domestic violence in their historical, legal and cultural contexts.

SOWK 378 Human Behavior in the Social Environment I (4)
Prerequisites: SOWK 273 or currently enrolled.
This course analyzes theories related to understanding the development and behavior of individuals and families. Examines the reciprocal influences of culture, social injustice, poverty and related phenomena on development and behavior. Critically assesses the related research.

SOWK 379 Human Behavior in the Social Environment II (4)
Prerequisite: SOWK 378.
A continuation of the approach to understanding the biopsychosocial influences on development and behavior taken in SOWK 378.

SOWK 381 Diversity and Social Work Practice (4)
This course emphasizes the development of a knowledge base and skills for working in a diverse society at both the direct and indirect practice levels. Diverse populations refers mainly to major ethnic/racial groups although other oppressed populations will be addressed. While brief descriptive materials are explored for each population, a primary critical task is the examination of one’s own attitudes and values. Models of evidence-based practice with diverse populations will be presented for comparative purposes. Various experiential techniques may be used to implement the teaching objectives.

SOWK 395 Experiential Learning (elective) (1–15)
FWS
Prerequisite: Permission of the instructor, department chair and college dean. Coordinated through the Internship Office.

Individualized learning and career development through an off-campus internship. Designed to help students develop beginning knowledge of agency work. Does not substitute for Field Practicum but gives added preparation to students with minimal work experience.

SOWK 399 Special Studies and Programs (elective) (1–15)
FWS
Prerequisite: Permission of the instructor, department chair and college dean.

SOWK 420 Conflict Management, Micro to Macro Practice (4)
This course provides a foundation in the theory and practice of conflict management in four contexts: intrapersonal, interpersonal, groups and societal. The focus is on the analysis and practical management of conflict as a common denominator linking a wide variety of human activities. A micro to macro overview of the dynamics of conflict management from one-on-one communication to the practices of negotiation and mediation to international/global efforts toward peace will be explored.

SOWK 421 Social Work Practice with Men and Families (2–4)
This course addresses important information regarding social work services with men and their families. It is designed to be a broad overview of common issues faced by men who come to the attention of social services and what social workers can do to support and engage with men in practice.

SOWK 422 Spirituality and Social Work Practice (2–4)
This overview of spirituality and social work practice provides a framework of knowledge, values and skills for spiritually sensitive social work practice and prepares students to respond competently and ethically to diverse spiritual perspectives through a comparative, critically reflective approach.

SOWK 424 International Social Work (4)
Note: may be repeated for credit when title varies.
Prerequisite: permission of instructor.
This variable topic course will provide students with a cross cultural experience in which they will learn about another culture, social development in various regions and various ideologies of social welfare. Students will learn about social development strategies intended to address specific social problems and social justice issues.

SOWK 425 Family Violence (4)
Cross-listed: WMST 425.
Prerequisite: ENGL 201.
This interdisciplinary course addresses contemporary concerns about family violence and discusses feminist perspectives on violence in the family. Theories about the historical and socio-cultural context of family violence and other explanatory theories provide frameworks for understanding personal and societal responses to family violence. Discussions focus on the dynamics of trauma and recovery for individuals and all forms of family violence. Treatment as well as intervention, prevention, and social change approaches are discussed on both the personal and societal level.

SOWK 437 Indian Child Welfare (4)
Cross-listed: IDST 437.
This course introduces Indian child welfare with an emphasis on understanding legal, historical and cultural issues applying to work with American Indian and Alaska Native youth. This course emphasizes Indian child welfare issues relevant to the Pacific Northwest (Washington, Idaho, Oregon and Montana).

SOWK 445 Behavioral and Cognitive Behavioral Interventions (4)
Prerequisite: SOWK 475.
This course introduces participants to the theory and practice of behavioral and cognitive behavioral intervention. This course facilitates participants understanding and knowledge of the concepts of applied behavior analysis, including behavioral assessment, behavioral interventions methods for monitoring the efficacy of behavioral approaches with individuals and groups. This course will also enable participants to become better acquainted with how to apply cognitive behavioral (CB) principles in assessment and intervention, including identifying self-defeating cognitions and cognitive restructuring. Participants should come to understand behavioral and cognitive behavioral interventions as individualized approaches to practice. The application nature of this course requires a commitment from participants to attend all class sessions during this course.

SOWK 448 LGBTQ Issues for the Professional (4)
Cross-listed: WMST 448.
Prerequisite: junior standing.
The course is designed to assist professionals working with individuals whose identity includes lesbian, gay, bisexual, transgendered or queer/questioning. Topics include: historical oppression, “coming out” as a process, counseling approaches and resources, and social inclusion and exclusion of social minorities. Personal attitudes are explored in order to improve professional response to the needs of the LGBTQ communities.

SOWK 450 Women and Social Change (4)
Cross-listed: WMST 450.
Prerequisites: junior standing.
The course addresses contemporary concerns about sexual assault, primarily, but not exclusively, against women. Feminist perspectives on gender socialization and sexual violence provide frameworks for understanding personal and societal responses to sexual violence. Dynamics of trauma and recovery, treatment, prevention and change strategies will be discussed.

SOWK 455 Social Policy and Programs in Aging (3)
Cross-listed: AGST 455.
Prerequisite: AGST 310 or permission of the instructor.
This course explores social welfare policies and programs serving the aged are examined, past and present, in terms of their overall impact on the aged and on society at large. The needs and gaps in services to the aged are evaluated, as well as the adequacy with which these services are delivered and the response of programs and services to the changing needs of the aged.

SOWK 456 The Older Woman (4)
Cross-listed: AGST 456, WMST 456.
Prerequisite: junior standing.
This course examines the research and practice knowledge on the social, economic and health problems confronting older women. Older women’s issues and potential forms of oppression are covered. The course explores U.S. social policy and program alternatives that work to improve the status and quality of life for a growing and diverse population of older women.

SOWK 457 Clinical Assessment in Midlife and Older Adults (4)
Cross-listed: AGST 457.
Prerequisite: junior standing or permission of instructor.
An introduction to the assessment skills required for professional social work practice in mental health and other clinical settings dealing with the elderly. The course is intended for social work practitioners.

SOWK 458 Perspectives on Death and Dying (4)
Cross-listed: AGST 458.
Prerequisite: junior standing or permission of instructor.
This course is designed to assist students in the helping professions who wish to work with the terminally ill. Focus will be on an increased ability to deal with one’s own mortality; the development of beginning skills for working with the terminally ill and their families; an understanding of the complex social system which surrounds death in modern America; as well as the current moral, ethical and philosophical issues in the field.

www.ewu.edu
SOWK 459 Survey of Microsystemic Practice Theories (4) W
Prerequisites: SOC 277.

This course survey prepares students for professional practice involving the dynamic and interactive processes of engagement, assessment, intervention and evaluation through identifying and analyzing evidence-based interventions designed to achieve client goals. Students will distinguish, appraise and integrate multiple sources of knowledge, including research, professional knowledge and practice wisdom, as these inform micro systemic practice theories. Students will continue learning to use research evidence to inform practice through critical thinking.

SOWK 460 Social Work Research (4) F
Prerequisite: SOWK 273.

Prepares students to evaluate research findings and to engage in evidence based social work practice.

SOWK 469 Data Analysis for Social Work (4) S
Prerequisite: SOWK 468.

This course includes coverage of descriptive and inferential statistics. Students are introduced to software for data analysis.

SOWK 470 Social Policy Analysis (4) W
Prerequisite: SOWK 273.

Introduction to social policy analysis and the social policy examines various policies and processes of social legislation in terms of their impact on social service programs.

SOWK 471 Human Rights and Women's Rights (4)
Cross-listed: WMST 471.
Prerequisite: junior standing

The course examines the history of human rights and dignity using the declaration of rights by the United Nations and research and initiatives by the World Health Organization and other international human rights groups. The course covers topics on the human rights of women and children including health, food insecurity, economic status, housing, education, violence, war crimes and residency/citizenship status. It also examines international and national strategies for furthering human rights on the global stage.

SOWK 475 Social Work Engagement and Assessment I (4)
Prerequisite: BASW Major, SOWK 475.

In this first of a two course sequence relationship building skills are emphasized for gathering and interpreting biopsychosocial data on the interactions between individuals, families, and other groups and their environments. Emphasizes culturally competent, strengths-based and systems oriented assessment. Demonstrates how social work values and the generative perspective guide engagement. Explores the role of self in helping process.

SOWK 476 Social Work Engagement and Assessment II (4)
Prerequisite: BASW Major, SOWK 475.

In this second of a two course sequence assessment skills are emphasized for gathering and interpreting biopsychosocial data on the interactions between individuals, families, and other groups and their environments. Emphasizes culturally competent, strengths-based and systems oriented assessment. Demonstrates how social work values and the generative perspective guide assessment. Explores the role of self in helping process.

SOWK 477 Social Work with Communities (4)
Prerequisite: BASW Major, SOWK 475.

This course prepares students to engage with, assess the needs and assets of, and plan for action with communities. This course also guides students in the processes of direct assessment and action in the context of community. Students will learn to apply Asset Based Community and Social Development models in their work with communities toward social justice and sustainable change in communities and services.

SOWK 478 Social Work with Individuals (4)
Prerequisite: BASW Major, SOWK 475. SOWK 476.

This course examines the history of human rights and dignity using the declaration of rights by the United Nations and research and initiatives by the World Health Organization and other international human rights groups. The course covers topics on the human rights of women and children including health, food insecurity, economic status, housing, education, violence, war crimes and residency/citizenship status. It also examines international and national strategies for furthering human rights on the global stage.

SOWK 479 Social Work with Groups (4)
Prerequisite: BASW Major, SOWK 476.

This course focuses on the social work skills for working with groups. Values, use of self, cultural competence, strengths and resources continue to be important practice skills within this new context. Critical thinking and effective communication are additional focus for knowledge and skill development.

SOWK 480 Field Preparation (1) W
Note: Grade Pass/Fail.

This course prepares students to enter the social work practicum/seminar. Students will learn how to create a résumé, be interviewed for an agency placement and learn how to be a student worker within a social service environment. Students will integrate their knowledge and skills with practices in the agency.

SOWK 482 Practicum/Seminar (5) FWS
Prerequisites: BASW major in good standing and SOWK 480.

Students integrate coursework in a practice setting and receive experience in a social work setting. In a social work agency, students, agency field instructors and faculty field instructors plan activities which support the development of generalist skills as specified in individualized learning agreements.

SOWK 490 Social Work Senior Capstone (4) S
Prerequisites: final quarter of BASW program in good standing.
Satisfies: senior capstone/ university graduation requirement.

This course further develops students' applied knowledge and skill in the domains of critical, integrative, multidimensional and contextual thinking; cultural competence; social work practice with populations at risk; civic mindedness; professional identity; problem solving; the ability to understand and operate in the connection between social policy, social problems and social work practice; and evidence based social work practice. This will be achieved through in class discussions and written assignments, in professional role play and group process issues with broader social and professional significance.

SOWK 492 Child Welfare Programs and Services (5)
The function and purposes of child welfare programs, public and private; child welfare legislation; trends in child welfare services. Elective.

SOWK 497 Workshops, Short Courses, Conferences (1–5) FWSU
Prerequisites: BASW Major, SOWK 475.

Short duration programs of contemporary significance in societal-cultural behavior areas. The range and scope of topics are essentially interdisciplinary and students from all academic areas are eligible to participate. Elective.

SOWK 498 Departmental Seminar (1–5) FWSU
Prerequisite: BASW Major, SOWK 475.

Readings and evaluations in contemporary issues in social welfare. Elective.

SOWK 499 Directed Study (1–5) FWS
Prerequisite: permission of the instructor, department chair and college dean.

Independent study in selected areas of social work. Open to senior social work students from any department. Elective.
SOWK 533 Social Work Assessment and Practice with Individuals and Families (4)
Prerequisites: graduate standing in the MSW program or permission of the instructor.
Examines individual and family intervention within American social systems across ethnic, social, class and gender differences. Students learn effective strengths-based interviewing processes with individuals and families and build communications skills. This course emphasizes the development of a knowledge base and skills for working with diverse populations at both the direct practice and macro levels. A primary critical skill is the examination and framing of attitudes and values. Models of practice with diverse populations are presented for comparative purposes.

SOWK 544 Special Problems: Family Violence (4)
Students will identify factors related to stress in families, socioeconomic and cultural patterns, historical traditions and societal values and investigate how these may relate to violent behavior.

SOWK 545 Behavioral and Cognitive-Behavioral Interventions (4)
This course will introduce participants to the theory and practice of behavioral and cognitive-behavioral intervention. The course will facilitate participants understanding of (1) key concepts of behavior modification, including reinforcement, punishment; (2) key concepts of behavioral assessment, including target behaviors, antecedents and consequences, as well as dimensions of behavior (frequency, intensity, duration); (3) types of behavior change, including conditioning, shaping and behavior-maintenance schedules; and (4) methods for monitoring the efficacy of behavioral approaches with individual cases. This course will also enable participants to become better acquainted with how to apply cognitive behavioral (CB) principles in assessment and intervention, including (1) behavioral self-monitoring, successive approximation, identifying self-defeating cognitions, cognitive restructuring and working with cognitive schemas; (2) implementing CB principles in a group setting using the Adolescent Coping with Depression Course (CWD-A) as a model; and (3) supporting and monitoring the progress of the clients in CB intervention through the use of CWD-A homework assignments. Participants should come to understand behavioral and cognitive-behavioral interventions as ideographic, as opposed to homothetic, approaches to practice.

SOWK 546 Mindfulness and Acceptance Approaches in Behavioral Health (4)
Prerequisite: current MSW student or by permission of instructor.
This intensive course will introduce participants to the theory and practice of acceptance and mindfulness approaches in behavioral interventions. The course will facilitate participants understanding of: (1) key concepts of cognitive behavioral therapy, including acceptance and mindfulness approaches, (2) key concepts of assessment, including value inventories, (3) types of acceptance and mindfulness CBT interventions, including Dialectical Behavior Therapy (DBT) and Acceptance and Commitment Therapy (ACT) and (4) in-session activities and interventions to facilitate change with individuals and groups.

SOWK 547 Motivational Interviewing (4)
Motivational Interviewing (MI) is an effective evidence-based approach to overcoming the factors that keep people from making desired changes in their lives even after seeking or being referred to professional treatment. This course reviews the conceptual basis of MI and the Transtheoretical Model (Stages of Change, SOC) and provides practice in implementing the skills involved in their approaches.

SOWK 550 Social Work with Groups (4) S
Prerequisites: graduate standing in the MSW program or permission of instructor.
The course develops knowledge and skills for social work practice with groups and natural helping systems. Prepares students to utilize mutual aid groups as a primary resource for clients, facilitate treatment groups and participate effectively as a member of committees, interagency teams and other task groups. The practice of work with groups is presented through a process of pre-work, observation, role participation and small group learning experiences.

SOWK 551 Women and Social Change (4)
This course examines the historical and contemporary role of women as leaders and participants in U.S. social movements. The course critiques the models and strategies used to organize communities and groups to improve the status of marginalized people.

SOWK 552 Organizational Leadership, Management and Change (4)
This course focuses on leadership and change in social service agencies in relationship to the roles and functions of managers and administrators. The course provides a general overview of administrative and supervisory functions in social agencies focusing on the knowledge, values and skills needed for managing change and providing leadership. These are the qualities needed for successful administrative and middle management positions and in small agencies typically found in rural and regional contexts.

SOWK 553 Social Work Intervention and Evaluation with Individuals and Families (4)
Prerequisites: special permission of the instructor.
Continues social work practice knowledge and skill development for work with individuals and families. This is the second of a two-course sequence focused on the intervention, ongoing assessment and the termination and evaluation phases of the helping process. The course provides needed didactic and experiential learning experiences relative to communication skills, counseling and therapy skills and termination and practice evaluation strategies. MC

SOWK 554 Clinical Aspects of Human Sexuality (4)
From the time of conception, there are forces continuously affecting our sexuality. This course has been developed to assist participants to develop skills to work with people as sexual beings. Self assessment by each person with regard to his or her own values should occur throughout the course. Sexual functioning and a variety of conditions affecting sexual functioning will be explored. It is intended that participants will leave this course with the basic knowledge, attitudes and skills to deal with sexual questions and concerns of clients. Course content will include: (1) basic issues in sexuality; (2) sexuality throughout the lifespan; (3) anatomy and physiology of the sexual response cycle; (4) sexual alternatives; (5) sexuality illness and disability; (6) sexual dysfunctions; and (7) treatment issues.
This course provides Advanced Standing students with an overview of the foundation requirements for advanced study in the MSW program. It prepares students with additional problem formulation, sampling, data collection, measurement, and research designs to complete the advanced year applied research project.

SOWK 561 Advanced Standing Seminar (6)
Prerequisites: admission into advanced standing MSW program or permission of MSW Director.
This course will review Federal and State legislation as well as local policies which affect the role of the social worker in the public school. We will review how the school system functions as a part of our total society. The course will describe how social work knowledge, skills and values provide an ecological approach to preventive, crisis and remedial care for school children and their families.

SOWK 560 Topics in Social Work Practice (1–6)
Selected and variable content around topics related to social work and social welfare.

SOWK 567 Biopsychosocial Bases for Human Development (4) W
Prerequisites: graduate standing in the MSW program or permission of the instructor.
This course focuses primarily on the biopsychosocial aspects of human development. Biopsychosocial development is defined as including the biological, psychological, and social aspects of human growth and development. Content will focus on the biopsychosocial aspects of human development and will include topics such as health, well-being, illness, and the biopsychosocial impact on the life of the individual. The course will be divided into two parts: the first part will focus on the biological aspects of human development, and the second part will focus on the psychological and social aspects of human development.

SOWK 568 Proseminar in Social Welfare Policies and Programs (4) W
Prerequisites: SOWK 525, 531 and 2 credits of 571; or SOWK 561.
Advanced seminars on current policy and program developments in contemporary areas of social welfare which impact populations at-risk, including health care, aging, mental health and services to children and families. Seminars provide research and theory pertaining to social problems and institutional responses. Three domains of institutional response—legal, professional and program—receive attention.

SOWK 569 Advanced School Social Work Practice (4)
The goal of this course is to assist the student in developing a comprehensive and in-depth understanding of current school social work practice. The values, purpose, knowledge base and sanctions which undergird the specialized, professional practice of school social work will be discussed, analyzed and applied experientially to practice situations. Learning experiences are designed to promote understanding of the many dimensions, opportunities for creative practice and rigors of social work practice in schools.

SOWK 571 Foundation Practicum/ Seminar (1–4) WS
Prerequisites: SOWK 531, SOWK 532, SOWK 553. (A total of 6 credits distributed over 2 qutrs. for the full-time program and over 3 qtrs. for the part-time program.)
Students in Foundation Practicum/Seminar utilize the agency setting for integration of coursework knowledge and for the development of professional practice skills. The placement agency is the laboratory for the application of classroom learning. Practicum is a supervised experience which allows students to learn to use supervision as a professional development process and to receive feedback concerning their professional functioning. The seminar is the forum in which students share, compare and analyze the field experience and participate in learning activities focused on application of curriculum content to practice. It is designed to assist in the integration process to provide support for students in discussion of practice issues and learning experiences and to engage students in utilizing course content to enhance their professional practice.

SOWK 572 Family Systems and Illness (4)
This course examines the impact of chronic and life-threatening illness upon the functioning abilities of both healthy and troubled families, communities and healthcare systems. Through the lens of illness, the course looks at how families communicate, how they are structured, how they function over time and what non-illness related issues typically unbalance them. The course will focus on ways the social worker can balance families in the face of the chaos and unpredictability generated by illness.

SOWK 573 Alternatives in Healing: Complementary Care in Social Work (4)
This course examines the ways that people benefit from ancient and modern mind/body healing techniques that can help them deeply relax and draw upon inner strengths, alleviating much of the physical, emotional, cognitive and spiritual suffering associated with chronic or acute illness and dying.

SOWK 574 Death and Dying (4)
This course explores issues related to death, dying, grief and loss as well as their relevance and application to social work practice. The content draws from an interdisciplinary knowledge base and emphasizes the acquisition of practice skills. Topics include loss events throughout the life span; psychological and sociological theoretical perspectives in death, dying, grief and loss; social work practice models in grief, loss and coping with terminal illness; the impact of individual differences and cultural diversity on reactions to loss-related events; available resources for those dealing with these issues; and policy and ethical implications related to end-of-life care and decision making.

SOWK 575 Advanced Social Work Practice with Children and Adolescents (4)
Advanced practice strategies and techniques for current problems facing children, youth and families. Students will apply the content paradigms to case situations and design appropriate intervention strategies based on contemporary practice theory. Direct practice knowledge and skills will be evaluated through experiential and written assignments.
This course applies the biopsychosocial perspective to the addiction field. The emphasis is on an examination of the reciprocal interaction between the individual experiencing addiction and the various systems that impact misuse, addiction, treatment and recovery. Topics will include harm reduction, the biology of addiction, the psychology of addiction, co-existing disorders and social aspects of addiction, including family risks and resilience, racial and ethnic issues, gender and sexual orientation, the nature of mutual help groups and public policy issues. The content of the course will draw heavily on current research and emphasize critical thinking and analysis of the current controversies in the addiction field. The overall framework of the course rests on the foundation of the strengths perspective and client-centered practices. Although alcohol and drug problems will be emphasized, the course will also address other related disorders, including eating disorders, pathological gambling and compulsive shopping.

SOWK 577 Clinical Social Work Assessment (4)
Examination of the assessment skills required for professional social work practice in mental health and other professional settings. Application of mental health diagnosis and clinical assessment techniques to case situations.

SOWK 579 Gender and Sexual Assault (4)
This course addresses contemporary concerns about sexual assault primarily, but not exclusively against women. Theories about the sociocultural context of gender socialization and other explanatory theories will provide a framework for understanding personal and societal responses to sexual violence. The course will survey all forms of sexual violence and discuss dynamics of trauma and recovery. Treatment approaches will be discussed as well as the importance of prevention and change strategies on both the personal and the societal level.

SOWK 580 Field Preparation (1) F
Note: graded Pass/No Credit.
Prerequisite: graduate standing in the MSW program or permission of instructor.
This course serves as an introduction to field practicum and to a community agency setting. It provides the students with the necessary information, skills and practices to maximize their success in their field practicum.

SOWK 581 Integrative Seminar I (1) FWS
Note: graded Pass/No Credit.
Prerequisites: graduate standing in the MSW program or permission of MSW graduate director.
This seminar is the forum in which students share, compare and analyze their social work educational experience and participate in learning activities focused on application of curriculum content for orals. It is designed to assist in the integration process, to provide support for students in discussion of learning experiences and to engage students in utilizing course content to enhance their professional practice.

SOWK 582 Integrative Seminar II (1) FWS
Note: see information listed under SOWK 581.

SOWK 583 Integrative Seminar III (1) FWS
Note: see information listed under SOWK 581.

SOWK 584 Integrative Seminar IV (1) FWS
Note: see information listed under SOWK 581.

SOWK 596 Experimental Course (1–5)

SOWK 597 Workshops (1–5)
Note: only one workshop course for up to 3 credits may be used to fulfill graduate degree requirements.

SOWK 599 Independent Study (1–5)
Prerequisite: permission of the instructor, department chair and college dean.
Students take intensive and independent study of some special area in social work or social welfare.

SOWK 600 Thesis (1–15)
Prerequisite: permission of the instructor, department chair and college dean.
Elective course.

SOWK 601 Research Project (1–15)
Prerequisite: permission of the instructor, department chair and college dean.
Individually supervised research work.

SOWK 602 Clinical Diagnosis and Evidence Based Treatment (4) F
Prerequisites: SOWK 555 or currently enrolled in SOWK 561.
This course examines evidence-based treatments across the lifespan from a social work perspective, with a specific focus on the most common mental disorders and evidence-based treatments. Students will demonstrate application of the most current version of the Diagnostic and Statistical Manual of Mental Disorders and become critical consumers of evidence-based treatment research with diverse populations. The course emphasizes strengths and ecological systems perspectives, risk and resiliency factors, and the impact of biological, psychological, cultural, spiritual and other social factors.

SOWK 603 Leadership and Management in Human Service Organizations (4) S
Prerequisite: SOWK 560 or SOWK 561.
This course is designed to expand students’ knowledge and understanding of human service organizations and to provide approaches for designing and managing human service programs effectively. Organizational and management theories and principles are applied to a range of human services. The course focuses on the knowledge, values and skills needed for successful leadership in creating a meaningful work environment, managing organizational outcomes, and engaging the community.

SOWK 671 Advanced Practicum/Seminar Variable (1–5) FWS
Note: graded Pass/No Credit.
Prerequisites: SOWK 571 or SOWK 561.
(A total of 13 credits distributed over three quarters for the full-time program and over five quarters for the part-time program).

Advanced Practicum/Seminar is a continuation of the Foundation Practicum/Seminar. Students in Advanced Practicum/Seminar will utilize the agency setting for integration of coursework knowledge and for the development of professional practice skills. The placement agency is the laboratory for the application of classroom learning. Practicum is a supervised experience which allows students to learn to use supervision as a professional development process and to receive feedback concerning their professional functioning. The seminar is the forum in which students share, compare and analyze the field experience and participate in learning activities focused on application of curriculum content to practice. It is designed to assist in the integration process to provide support for students in discussion of practice issues and learning experiences and to engage students in utilizing course content to enhance their professional practice.

SOWK 695 Internship (1–5) FWS
Prerequisite: permission of the instructor, department chair and college dean.
UNDERGRADUATE PROGRAMS
Sociology may be defined as the scientific study of human society and the social interactions which emerge among people. Sociology seeks to develop a body of interrelated scientific propositions or generalizations that explain social behavior in holistic terms. Its basic goal is to understand how human beings fit their activities together into a system of stable (and sometimes unstable) social arrangements. As such, sociology focuses on the groups, organizations, institutions and communities which make up the larger society. Sociology seeks to place society in the international setting of today’s changing world. More importantly, it helps us to understand the relationships among these various social units and the implications of these relationships for order and change.

Required courses in the following programs of study may have prerequisites. Reference the course description section for clarification.

BACHELOR OF ARTS (BA)
Student Learning Outcomes—students will:

- demonstrate an understanding of the relationship between critical inquiry and social justice;
- demonstrate an understanding of core concepts such as social structure, socialization, culture, identity, institutions power, inequality and social justice;
- understand and apply various methodological and theoretical approaches for conducting research.

SOCIOLOGY MAJOR (75 CREDITS)
Within the Bachelor of Arts degree, the Department of Sociology and Justice Studies offers a program in sociology, blending career education and the liberal arts. The education goal is not to train students; neither is the goal to educate students solely in sociology. Rather, the goal is to use the discipline as a way to critically synthesize what is learned in a liberal arts program. The program envisaged here provides a general background which will enable the student to move into a variety of career paths, while retaining the opportunity for particular specializations within sociology and thematically related disciplines.

The Department of Sociology and Justice Studies believes that a university must educate broadly to enrich both career and life. Accordingly, students in the Sociology Program will complete social science foundation courses, as well as core disciplinary courses. In order to assist students as they move into a variety of career paths, students will complete elective courses selected under the guidance of a Sociology major advisor.

Note: two years of a single high school foreign language or one year of a single foreign language at college level is required for this major.

Introduction and Social and Behavioral Science Foundation
SOCI 101 Introduction to Sociology (5)
CSBS 320 Introductory Statistics for the Social Sciences (5)
SOCI 357 A Methodology for Social Research (5)
SOCI 465 Contemporary Sociological Theory (5)

Required Core (40 credits total)
Disciplinary
SOCI 351 Social Stratification (5)
SOCI 363 Sociology of Deviance (5)
SOCI 470 Social Change (5)
SOCI 481 Social Psychology (5)

Social Justice and Community Engagement—choose two (10 credits)
SOCI 320 Race and Ethnicity (5)
SOCI 321 Sex and Gender (5)
SOCI 482 Identity and Power (5)
SOCI 485 Sociology of Revolutions (5)

Institutions and Civil Society—choose one (5 credits)
SOCI 362 Sociology of Politics (5)
SOCI 370 Sociology of Family (5)
SOCI 472 Sociology of Religion (5)
SOCI 488 Sociology of Education (5)

Sociological Practice Course—choose one (5 credits)
SOCI 489 Doing Sociology (5)
SOCI 495 Internship (5)

Required Discipline-based Capstone or Thesis (5 credits)
SOCI 490 Senior Capstone: Sociological Project (5)
SOCI 491 Senior Thesis (5)

Required Elective Courses (10 credits minimum)
Students will select electives under the direction of a Sociology advisor and with the approval of the department chair.

Required introduction and foundation credits 20 credits
Required core credits 40 credits
Required discipline-based capstone or thesis credits 5 credits
Required elective credits 10 credits
Minimum total credits for above major 75 credits

MINOR

SOCIOLOGY MINOR (15 CREDITS)

Required Courses
SOCI 101 Introduction to Sociology (5)
Two additional upper-division Sociology courses (10)

Total minimum credits for above minor 15 credits
Sociology Courses

Terms offered: check with the department or EagleNET.

SOCI 101 Introduction to Sociology (5)
Satisfies: GER C for social sciences, list 2, anthropology, geography, psychology and sociology.
Explores the concepts, principles and theories of sociology. Sociology seeks to develop a body of interrelated scientific propositions or generalizations that explain social behavior in non-psychological terms. Its basic goal is to understand how human beings fit their activities together into a system of stable (and sometimes unstable) social arrangements.

SOCI 290 Introduction to Student Services (2)
Note: graded Pass/Fail.
Prerequisite: must be admitted as an ambassador.
A history of the university and campus. An overview of the university curricula and range of student services with emphasis on the development of leadership and communication skills. Lab.

SOCI 301 Special Studies and Programs (1–5)
Prerequisite: permission of the instructor and the department chair.
Survey of Criminology (5) Prerequisite: SOCI 101.
Provides an introduction to the field of criminology, including descriptions and explanations of crime and efforts to control it. Topics include theories of crime causation, measurement of crime, criminal law, the criminal justice system; and street, victimless, white collar, political and corporate crime.

SOCI 320 Race and Ethnic Relations: Global Perspectives (5)
Prerequisite: SOCI 101.
Satisfies: cultural and gender diversity university graduation requirement.
A socio-structural analysis of the bases of oppression of minority groups in society. The course deals with economic, political and cultural factors involved in the emergence and perpetuation of racism/ethnicism in the United States and around the world.

SOCI 321 Sex and Gender (5)
Cross-listed: WAST 220.
Prerequisite: SOCI 101.
Satisfies: cultural and gender diversity university graduation requirement.
A sociological analysis of differences and similarities between women and men. Examines the impact of gender ideologies of individual identity and social and political arrangements (especially instances of stratification and inequality). Also considers how changes in the gendered nature of society (e.g., socioeconomic organization, socialization, sexuality) occur.

SOCI 331 Classical Sociological Theory (5)
Prerequisite: SOCI 101.
Establishes the nature and requirements of sociological explanation. Identifies main currents of preclassical social thought. Explains, discusses and evaluates classical systems of sociological theory.

SOCI 351 Social Stratification (5)
Prerequisite: SOCI 101.
Course investigates class structures, stratification systems and social mobility in contemporary American society.

SOCI 357 A Methodology for Social Research (5)
Prerequisite: This course seeks to realize two complementary objectives: first, to acquaint you with the origins of sociological inquiry and the variety of styles and logical systems which shape such research; secondly, to demonstrate the nature of the research techniques which follow.

SOCI 362 Sociology of Politics (5)
Prerequisite: SOCI 101.
An overview of major perspectives on social crime causation, measurement of crime, criminal law, and political arrangements (especially instances and the law.

SOCI 363 Sociology of Deviance (5)
Prerequisite: SOCI 101.
Examines the conditions under which deviance as a social reality emerges, develops and changes over time. Examines practical concerns are the process of social typing; official responses to deviances; managing the deviant identity; and the role of bureaucratic and social class in promoting deviance as a political construction.

SOCI 370 Sociology of the Family (5)
Cross-listed: WAST 370.
Prerequisite: SOCI 101.
A consideration of family structures, cultures and interactions, changing family patterns and contemporary family debates.

SOCI 371 African American Family (5)
Cross-listed: AAST 320/SOWK 320.
The African American family as a social system influenced by institutions of the larger American society.

SOCI 399 Special Studies and Programs (1–5)
Prerequisite: permission of the instructor and the department chair.
Juvenile Delinquency (5) Prerequisite: SOCI 101.
Provides an in-depth examination of the phenomenon of juvenile delinquency. Included in the examination are analyses of types of delinquency, measurement of delinquency, theories of delinquency causation and the juvenile justice system. Includes field trips and class visitsations from professionals who work with juvenile offenders.

SOCI 455 Criminological Theory (5)
Prerequisite: SOCI 301.
Provides an in-depth inquiry into crime and criminalization. Course places particular emphasis on the social context within which these phenomena occur.

SOCI 459 Sociology of Community Corrections (5)
Prerequisite: SOCI 101.
Provides a sociological examination of correctional programs and practices in non-institutional settings for both adults and juveniles. Topics include program alternatives to institutional commitment, reintegration of offenders after institutionalization, the community corrections officer and the process of working with offenders. Field trips to area agencies are also included.

SOCI 463 Complex Organizations (5)
Prerequisite: SOCI 101 or permission of the instructor.
Analyzes large, complex organizations as a social system. Includes theory related to the emergence and structure of bureaucracy, authority and control; organizational conflict and change; the individual and the organization; and the organization and its environment.

SOCI 465 Contemporary Sociological Theory (5)
Prerequisite: SOCI 101.
Establishes the nature and requirements of sociological explanation. Identifies the classical repertoire of contemporary sociological theories. Explains, discusses and evaluates contemporary systems of sociological theories.

SOCI 470 Social Change (5)
Prerequisite: SOCI 101.
This course examines change in everyday life as well as in social institutions. Our discussions will focus on the importance of social movements in creating and responding to cultural and political transformations in the past, present and future.

SOCI 471 Sociology of Work (5)
Prerequisite: SOCI 101.
A sociology of knowledge approach to work that examines ways in which much of the conflict that characterizes the world of work arises from differing realities that individuals and groups construct. Also examines the major location of work, organizations and the work way can be organized as a result of images held and the impact this organization has on the construction of reality.

SOCI 472 Sociology of Religion (5)
Prerequisites: SOCI 101 or advanced standing in department program.
Investigates religious institutions in society in terms of their structure, function and change.

SOCI 481 Social Psychology (5)
Prerequisite: SOCI 101.
An analytic approach to the social-psychological consequences of social structure. Focal concerns may include alienation, anti-psychiatry, personality and social class, role behavior and socialization.

SOCI 482 Identity and Power (5)
Prerequisite: SOCI 101.
This course is about the relationship between power and identity. Identity can be defined as presentations of the self that facilitate human social interaction and thereby situate individuals in social structures. We will use the concept of power to explore how identities are central to various forms of social inequality.

SOCI 483 Sociology of Children (5)
Cross-listed: WAST 483.
Prerequisite: SOCI 101.
Examines historical shifts in the meanings of childhood and the methods used for studying the worlds of children. Explores the theoretical approaches to child development and socialization and how these can be used to understand children’s experiences in different cultural settings and situations.

SOCI 485 Sociology of Revolution (5)
Revolutions are rapid, widespread and deep transformations in the institutional structures, ways of thinking, relationships and cultural habits of society. They involve not only taking power by replacing governments, but also transforming power by radically changing people, spaces and social systems. We will first study The Communist Manifesto by Marx and Engels, arguably history’s most important book on revolutions. Then we will consider nonviolent means for challenging global capitalism and promoting social justice. And finally, we will discuss whether contemporary world social forums really help make another world possible. Throughout the course, we will think about how past and present struggles shape the future of revolutions.
SOC 486 Contemporary World Systems (5)
Prerequisite: choice of either SOCI 263 or INST 200.
Satisfies: international studies university graduation requirement.
Course examines contemporary world systems; integration, conflict and change.

SOC 488 Sociology of Education (5)
A sociological analysis of the controversies surrounding the limits and possibilities of schooling in society. It examines, in a historic and comparative manner, the issues of educational expansions, equality of opportunity, unequal achievement and school quality, the school’s role in reinforcing inequality, what schools teach, and the problems of order, control, and motivation. At all times, the material reviewed is set in a theoretical context.

SOC 489 Doing Sociology (5)
Prerequisite: senior standing; SOCI majors only.
This course explores the wide variety of ways one can do sociology. Students reflect on their academic journey and think critically about how they can use the sociological knowledge they have acquired. Students examine real-life examples of how individuals use sociology in their personal, community and professional life. Students conduct research on possible career paths where they can pursue their passion in sociology.

SOC 490 Senior Capstone: Sociological Practice (5)
Prerequisite: SOCI 489 or approval of instructor.
Satisfies: senior capstone university graduation requirement.
This course is designed to move from a basic understanding of sociological research and practice to more advanced applications in the field. Working as a team and addressing a specific social problem or issue, students will define the problem, carry out research, craft and/or evaluate strategies and present reports in appropriate formats.

SOC 491 Senior Thesis (5)
Prerequisite: SOCI 489.
Satisfies: senior capstone university graduation requirement.
The thesis represents a summative assessment of the student’s academic competence in his or her field of study. Students will complete and defend an original research project in the field of sociology.

SOC 495 Internship (1–5)
Prerequisite: permission of the instructor, department chair and college dean.
Supervised field experience aligned with the student’s academic program.

SOC 497 Workshops, Short Courses, Conferences (1–5)
Special short-duration programs of contemporary significance in societal-cultural behavior areas. The range and scope of topics is essentially interdisciplinary and students from all academic areas are eligible to participate.

SOC 498 Departmental Seminar (1–5)
Note: may be repeated once for credit.
Examination of current research topics in sociology. The specific content of the seminar varies according to recent developments in sociology and according to the interests of the instructor.

SOC 499 Directed Study (1–5)
Prerequisite: permission of the instructor, department chair and college dean. Open to senior and graduate students from any department.
Independent and/or group study in selected areas of sociology.
Man is least himself when he talks in his own person. Give him a mask, and he will tell you the truth.
Oscar Wilde, writer (1854–1900)
MINORS

EARLY CHILDHOOD SPECIAL EDUCATION MINOR (16 CREDITS)

The minor in Early Childhood Special Education is designed to assist general education teachers and other related services personnel to work more effectively with children with special needs from birth to grade 3.

This minor does not meet an endorsement.

Required Courses

- SPED 563 Introduction to Special Education (4)
- SPED 420 Principles of Behavior for Students with Exceptional Needs (4)
- SPED 460 Special Education Methods (4)

Choose one of the following (4–5 credits)

- SPED 360 Special Education Research Methods (5)
- SPED 412 Introduction to Early Childhood Special Education (4)
- SPED 421 Classroom Management in Special Education Settings (4)
- SPED 461 Specially Designed Instruction for Language Arts (4)
- SPED 464 Specially Designed Instruction for Math and Content Areas (4)

Elective credits

Total minimum credits for above minor 16 credits

SPECIAL EDUCATION MINOR (16–17 CREDITS)

The minor in special education is designed to assist general education teachers and other related services personnel to work more effectively with students with special needs.

This minor does not meet an endorsement.

Required Courses (12 credits)

- SPED 563 Introduction to Special Education (4)
- SPED 420 Principles of Behavior for Students with Exceptional Needs (4)
- SPED 460 Special Education Methods (4)

Choose one of the following (4–5 credits)

- SPED 360 Special Education Research Methods (5)
- SPED 412 Introduction to Early Childhood Special Education (4)
- SPED 421 Classroom Management in Special Education Settings (4)
- SPED 461 Specially Designed Instruction for Language Arts (4)
- SPED 464 Specially Designed Instruction for Math and Content Areas (4)

Elective credits

Total minimum credits for above minor 16 credits

Course Requirements for Teacher Certification/Add-on Endorsements

EARLY CHILDHOOD SPECIAL EDUCATION /
ADD-ON ENDORSEMENT (51 CREDITS)

(For candidates who currently possess a Washington State Teaching Certificate).

This program meets the requirements for an endorsement in Early Childhood Special Education.

The Early Childhood Special Education add-on endorsement prepares teachers for working with infants and young children with disabilities and their families (birth to grade 3). Program focus is on effective intervention practices used in early childhood special education for home and school settings.

Required Courses

- SPED 360 Special Education Research Methods (5)
- SPED 563 Introduction to Special Education (4)
- SPED 412 Introduction to Early Childhood Special Education (4)
- SPED 420 Principles of Behavior for Students with Exceptional Needs (4)
- SPED 421 Classroom Management in Special Education Settings (4)
- SPED 460 Special Education Methods (4)
- SPED 461 Specially Designed Instruction for Language Arts (4)
- SPED 463 Methods for Teaching Infants and Young Children with Disabilities (4)
- SPED 464 Specially Designed Instruction for Math and Content Areas (4)
- SPED 472 Assessment of Infants and Young Children with Disabilities (4)
- SPED 480 Inclusionary Practices and Collaboration (4)
- SPED 488 Special Education Practicum (3 + 3)

Total credits for above add-on endorsement 51 credits

SPECIAL EDUCATION

College of Arts, Letters & Education—Department of Education

SPECIAL EDUCATION

College of Arts, Letters & Education—Department of Education

Minimum total credits for above major 118 credits

Note: the above major will require more than 12 terms (or four years) to complete at an average of 15 credits per term.
Special Education Courses

**Course Requirements for Teacher Certification/Add-on Endorsements**

**SPECIAL EDUCATION/ADD-ON ENDORSEMENT (51 CREDITS)**

(For candidates who currently possess a Washington State Teaching Certificate). This program meets the requirements for an endorsement in special education in the state of Washington.

The Special Education add-on endorsement prepares teachers for working with students with disabilities from birth through age 21. The program focuses on the use of specially designed instruction in school settings.

**Required Courses**
- SPED 360 Special Education Research Methods (5)
- SPED 365 Introduction to Special Education (4)
- SPED 411 Introduction to Early Childhood Special Education (4)
- SPED 420 Principles of Behavior for Students with Exceptional Needs (4)
- SPED 421 Classroom Management in Special Education Settings (4)
- SPED 460 Special Education Methods (4)
- SPED 461 Specially Designed Instruction for Language Arts (4)
- SPED 462 Methods for Teaching Students with Autism and Severe Disabilities (4)
- SPED 464 Specially Designed Instruction for Mathematics and Content Areas (4)
- SPED 467 Special Education Assessment (4)
- SPED 480 Inclusionary Practices and Collaboration (4)
- SPED 488 Special Education Practicum (3-5)

**Total credits for above add-on endorsement** 51 credits

**SPED 461 Specially Designed Instruction for Language Arts (4)**
**Prerequisites:** SPED 460

This course provides students with skills in designing explicit instruction lessons for reading, writing, and spelling as well as using scientifically-validated reading, writing, and spelling curricula. The focus is on using specially designed instruction for students with disabilities.

**SPED 462 Methods for Teaching Students with Autism and Severe Disabilities (4)**
**Prerequisites:** SPED 365, SPED 460

Covers instructional techniques used to teach skills to students with severe disabilities.

**SPED 463 Methods for Teaching Infants and Young Children with Disabilities (4)**
**Prerequisites:** SPED 365, SPED 411, SPED 460

Covers intervention strategies for teaching infants and young children with disabilities in home- and center-based programs.

**SPED 464 Specially Designed Instruction for Math and Content Areas (4)**
**Prerequisites:** SPED 460

This course develops skills in designing explicit instruction lessons for math and content areas as well as using scientifically-validated math and content area curricula. The focus is on using specially designed instruction for students with disabilities.

**SPED 470 Special Education Assessment (4)**
**Prerequisites:** SPED 365, SPED 460

Covers how to evaluate, interpret, select, and develop and use formal and informal assessment tools specifically for students with special needs.

**SPED 472 Assessment of Infants and Young Children with Disabilities (4)**
**Prerequisites:** SPED 363, SPED 412, SPED 460

Covers how to evaluate, interpret, select, and develop and use formal and informal assessment tools specifically for infants and young children with disabilities and their families.

**SPED 480 Inclusionary Practices and Collaboration (4)**
**Prerequisites:** SPED 363, SPED 460

Covers information and skills needed to collaborate effectively with students, educators, parents and agencies to implement appropriate special education programs.

**SPED 488 Special Education Practicum (3 + 3)**
**Notes:** Graded Pass/Fail; must be completed twice for a total of 6 credits.
**Prerequisites:** EDUC 201 and permission of instructor.

Students observe and demonstrate effective teaching practices in a special education setting.

**SPED 489 Special Education Student Teaching (16)**
**Note:** Graded Pass/Fail.
**Prerequisites:** permission of instructor.

Provides the student with teaching experience in a special education setting.

**SPED 490 Special Education Capstone (4)**
**Prerequisite:** to be taken the quarter before student teaching; permission of instructor required.

Satisfies: senior capstone university graduation requirement.

This is a culminating experience for the special education major. Students are required to integrate knowledge from other courses and apply it to a variety of situations. This course is required for special education and dual endorsement majors.

**SPED 491 Senior Thesis (4)**
**Prerequisite:** Permission of the instructor/advisor.

Satisfies: senior capstone university graduation requirement (replaces ITG 400 as a senior capstone experience).

Directed research resulting in a formal write-up. Limited to those students for whom research experience will be helpful in obtaining entrance to graduate school.

**SPED 495 Experiential Learning (1-12)**
**Note:** Graded Pass/Fail.
**Prerequisites:** permission of the instructor, department chair and college dean (interview required).

Individual learning and career development course with an off-campus internship contract coordinated through the Internship Program.

**SPED 496 Experimental Course (1-5)**
**SPED 497 Workshops, Short Courses, Conferences (1-10)**
**SPED 498 Seminar (1-5)**
Subjects vary according to faculty and student interest.

**SPED 499 Directed Study (1-10)**
**Note:** Graded Pass/Fail.
**Prerequisites:** permission of the instructor, department chair and college dean.

See ENGINEERING AND DESIGN.
UNDERGRADUATE PROGRAMS

The Theatre Program offers a Bachelor of Arts in Theatre for those who wish to enter the profession or prepare for graduate school. A minor is available. This program is designed to give the student thorough preparation in all aspects of theatre, with the knowledge and skills to support any graduate school specialty. The range of elective courses permits a small amount of specialization within the curriculum, but the primary intention is to provide fundamental preparation for theatre professionals. In addition to classroom studies, the program offers valuable hands-on experience in virtually every phase of theatrical production, including acting, directing, singing, costuming and technical and design skills. Each major is expected to be available to work on every production in the department’s season.

Each university season is chosen for balance and variety. Productions range from classical to modern plays. Plays are produced in the University Theatre, a modern, well-equipped plant, opened in 1972 and historic Showalter Hall.

The University Theatre is located in the university’s Fine Arts Complex in close proximity to the Music, Art and Film programs. Students are encouraged to supplement their theatre studies with study in other fields in order to better understand theatre as an art form, a field of study in the liberal arts and as an area of human activity and endeavor.

Graduates with Bachelor of Arts degrees are traditionally employed in a variety of careers including: professional actors, directors, designers, and technicians in scenery, lighting, properties and sound design. Graduates are also employed in public relations, sales, management and other careers that require daily person-to-person contact and effective self-presentation.

Recent Eastern graduates have been accepted in nationally recognized graduate programs in theatre and related fields. Many also teach at the elementary, middle and high school levels.

General Admissions Requirements for Theatre

High school graduates and community college transfer students who want to major in theatre should possess high verbal aptitude and effective skills in reading and writing. Moreover, theatre majors should possess an attitude of teamwork, strong self-discipline and a commitment to hard work for long hours. Previous coursework and participation in music, dance, acting, singing and back stage production is highly desirable, but not mandatory.

Students wishing to major in theatre should declare this major early in their university career. Entering freshman or transfer students should contact the Theatre and Film Department Chair immediately upon arrival at the campus for the assignment of an academic advisor and evaluation of transfer credits.

Required courses in the following programs of study may have prerequisites. Reference the course description section for clarification.

BACHELOR OF ARTS (BA)

Student Learning Outcomes—students will:

• demonstrate the ability to act and direct in live theatre;
• analyze, interpret and apply a knowledge of dramatic literature, cultural history and aesthetics to aspects of production;
• articulate the role of the theatre within our own culture and the culturally diverse world;
• utilize the mechanics and aesthetics of technical theatre in design and production of live theatre;
• describe, demonstrate and communicate the knowledge of one through four above to elementary, middle school and high school students.

THEATRE MAJOR (69 CREDITS)

Theatre majors are expected to complete a senior thesis and participate in the public performance program offered by the Theatre Program.

Note: two years of a single high school foreign language or one year of a single college level foreign language is required.

Required Courses (57 credits)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>THTR 100</td>
<td>Fundamentals of Musical Theatre/Dance Theatre</td>
<td>3</td>
</tr>
<tr>
<td>THTR 101</td>
<td>Movement and Voice</td>
<td>4</td>
</tr>
<tr>
<td>THTR 200</td>
<td>Theatre in the Humanities</td>
<td>4</td>
</tr>
<tr>
<td>THTR 210</td>
<td>Acting I</td>
<td>3</td>
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<tr>
<td>THTR 220</td>
<td>Stage Makeup</td>
<td>3</td>
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<tr>
<td>THTR 230</td>
<td>Survey of Theatre History</td>
<td>3</td>
</tr>
<tr>
<td>THTR 310</td>
<td>Acting II</td>
<td>3</td>
</tr>
<tr>
<td>THTR 320</td>
<td>Stage Costume</td>
<td>3</td>
</tr>
<tr>
<td>THTR 330</td>
<td>Design and Technology I</td>
<td>3</td>
</tr>
<tr>
<td>THTR 340</td>
<td>Professional Stage Management</td>
<td>3</td>
</tr>
<tr>
<td>THTR 350</td>
<td>Design and Technology II</td>
<td>3</td>
</tr>
<tr>
<td>THTR 390</td>
<td>University Theatre Internship                  (1+1+1+1)*</td>
<td>4</td>
</tr>
</tbody>
</table>

Note: THTR 202 also satisfies a general university requirement for Humanities, Fine Arts.

Electives—students must select from the following (12 credits)

Required program credits: 57 credits
Elective credits: 12 credits
Total credits for above major: 69 credits

MINORS

THEATRE MINOR (26 CREDITS)

Required Courses

<table>
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<td>Stage Costume</td>
<td>3</td>
</tr>
<tr>
<td>THTR 390</td>
<td>University Theatre Internship                  (1+1+1+1)*</td>
<td>4</td>
</tr>
</tbody>
</table>

Note: * 1 credit course repeatable for credit, 3 credits required.

Total credits for above minor: 26 credits

THEATRE/ELEMENTARY OR SECONDARY MINOR (53 CREDITS)

This minor satisfies the endorsement for preschool to grade 12.

Required Courses

<table>
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<tr>
<td>THTR 101</td>
<td>Movement and Voice</td>
<td>4</td>
</tr>
<tr>
<td>THTR 150</td>
<td>Fundamentals of Music/Dance Theatre (3)</td>
<td>3</td>
</tr>
<tr>
<td>THTR 200</td>
<td>Theatre in the Humanities</td>
<td>4</td>
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<tr>
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<td>4</td>
</tr>
<tr>
<td>THTR 410</td>
<td>Acting III</td>
<td>4</td>
</tr>
<tr>
<td>THTR 420</td>
<td>Acting IV</td>
<td>4</td>
</tr>
</tbody>
</table>

Note: * 1 credit course repeatable for credit, 3 credits required.

Minimum credits for above minor: 53 credits
Theatre Courses

Terms offered: check with the department or EagleNET.

THTR 110 Movement and Voice (3)
Movement and Voice is beginning training in the use of voice and body for the actor. The course is designed to offer students a wide variety of exercises and techniques that contribute to self-awareness, ensemble building, actor preparation, effective communication and strength and flexibility.

THTR 150 Fundamentals of Music/Dance Theatre (3)
An introduction to skills necessary to perform musical theatre roles. Fundamentals of singing and basic dance techniques are emphasized.

THTR 202 Theatre in the Humanities (5)
Satisfies: GECore for humanities and fine arts, list 2, fine arts.

THTR 203 Theatre Graphics (5)
The first in a series of courses in technical theatre. Introduction to drafting, blueprint reading, sketching, perspective drawing, rendering, in watercolor and model making for theatrical settings, lighting and properties.

THTR 210 Acting I (4)
Prerequisite: THTR 110.
Acting I is an introduction to the actor’s creative process using exercises, improvisations and scenes with a special emphasis on the Stanislavskian method.

THTR 226 Stage Make-Up (1)
Lecture and laboratory where the student may learn basic and advanced techniques and principles of straight and character make-up.

THTR 295 University Theatre Internship (1–5)
Internship experience at University Theatre in the scene shop, costume shop or publicity office.

THTR 303 Survey of Theatre History (5)
Cross-listed: HUMN 303.
Prerequisite: THTR 202 or upper class standing.
Surveys the major periods of Western theatre from Greek to modern trends.

THTR 310 Acting II (4)
Prerequisite: THTR 202 and THTR 210.
Acting II is a continuation of Acting I. Acting II continues an exploration of the Stanislavskian method through exercises, improvisations and advanced stage work.

THTR 312 Special Skills for Actors (1–5)
Note: repeatable six times for credit with permission of instructor.
Prerequisite: THTR 110.
Special Skills for Actors is a practical course in developing special skills for actors, such as juggling, dialects and theatrical swordplay.

THTR 319 Rehearsal and Performance (1–5)
Note: repeatable for credit.
Prerequisite: permission of the instructor.
Performance on stage in a University Theatre production. Amount of credit is determined by role played.

THTR 321 Play Production (3)
Techniques of producing a play for public performance. Methods of selecting scripts, casting, rehearsal procedure and performance responsibilities. Elements of the business of production, including contractual policies and limitations.

THTR 326 Creative Dramatics (3)
Prerequisite: permission of the instructor.
Aims, objections in the role of creative dramatics in education; includes participation with children.

THTR 330 Stage Costume (3)
Principles of costumes for the stage. The nature and function of this area of production including procedures, policies, sources plus historical and professional data.

THTR 331 Theatre Design and Technology I (5)
Theatre Design and Technology I introduces students to design and execution of theatre scenery, lighting and sound.

THTR 332 Theatre Design and Technology II (5)
Prerequisite: THTR 331.
Theatre Design and Technology II continues to help students develop skills in the scenicographic arts. Students will operate the machinery and utilize the crafts of scenic construction including rigging, painting, rendering, modeling, drafting and wiring.

THTR 336 Stage Lighting (5)
Prerequisite: THTR 205 or consent of instructor.
A beginning course in basic electricity and lighting for the theatre. Introduction to types of instruments, lamps, their uses and capabilities. Color media, circuitry and patching for manual and computer boards. Computation of electrical loads; safety measures. Three lectures and two laboratory sessions per week.

THTR 338 Concepts of Scene Design (2)
A beginning course in the styles, history and examples of theatrical scenic design.

THTR 339 Acting Workshop: Variable Topic (4)
Prerequisite: THTR 110.
Acting Workshop is a special topics performance course, including, but not limited to, The Meisner Technique, Chekhov and improvisation.

THTR 340 Scene Construction (5)
Prerequisite: THTR 203 or consent of instructor.
Introduction to style and types of scenery; materials; tools; stage mechanics and construction.
Three lecture hours for sets, lights and audio in the theatre are other topics covered in this course.

THTR 380 Theatre Experience (1)
Note: Repeatable for credit up to eight times with instructor approval.
Prerequisite: THTR 202.
Theatre Experience provides students with internship experience at the University Theatre in the scene shop, costume shop, public office, box office, stage management or in performance.

THTR 395 University Theatre Internship (1–5)
Prerequisite: permission of the instructor, department chair and college dean.
Subjects studied vary according to faculty and student interests.

THTR 399 Special Studies (1–5)
Prerequisite: permission of the instructor, department chair and college dean.
Subjects studied vary according to faculty and student interests.

THTR 410 Acting III (4)
Prerequisite: THTR 310.
Acting III combines an intensive practical analysis of heightened language with the performance skills needed to bring classic plays to life.

THTR 412 Acting: The Profession (4)
Prerequisite: THTR 310.
Students will acquire practical skills to select, prepare and perform audition pieces. They will learn about headshots, résumés, unions and professional etiquette.

THTR 419 Rehearsal and Performance (1–5)
Note: Repeatable for credit.
Prerequisite: permission of the instructor.
Practical experience of working backstage during actual stage productions. Amount of credit to be determined by work done on the production.

THTR 421 Directing I (4)
Prerequisite: THTR 305, THTR 310, THTR 330.
Directing I focuses on the process of stage directing, with emphasis on action analysis, principals of staging, composition, picturization, casting, effective use of a rehearsal process, artistic vision and collaboration with designers.

THTR 422 Directing II (4)
Prerequisite: THTR 421.
Directing II builds upon the foundation of Directing I. The focus is on creating believable and engaging dramatic action and exploring the primary relationship between the actor and director through intensive scene-work.

THTR 425 Professional Stage Management (3)
A study into the pre-show production and post-show requirements, supervised by a stage manager. Includes work description of related department heads and the interaction therein, both in academic and professional theatre.

THTR 430 Theatre Design and Technology III (5)
Prerequisite: THTR 310.
Theatre Design and Technology III serves as the advanced coursework in design arts for the theatre and methodology of constructing, rigging, painting, shaping, lighting, wiring and finishing of sets pieces and properties for theatrical stage production.

THTR 438 Scene Design (3)
A course in the methods available to the scene designer in presenting the design idea.

THTR 439 Topics in Theatre (1–5)
Prerequisite: THTR 202.
Topics in Theatre examines specific issues related to theatre arts.

THTR 445 Scene Painting (2)
A practicum in techniques and mechanics of choosing, mixing and applying scene paint for theatrical production.

THTR 491 Senior Thesis Project (5)
Satisfies: senior capstone university graduation requirement.
The final exit assessment instrument for graduation. Senior theatre majors expecting to graduate following the spring quarter of their senior year must undertake either the direction or design of a one-act play produced and presented on the main stage of the University Theatre as a capstone project during spring quarter. This project will result in the production of a major thesis document. The project will be conducted under the supervision of the faculty. Senior theatre majors whose schedules will not allow them to complete this course as their capstone, must enroll in an ITGS 400 course and complete the theatre department’s senior comprehensive written and oral examination. The examination may be scheduled during any quarter.

THTR 494 Stage Door to the Future (1–5)
Opportunity to work with professional theatre companies on two or more productions each summer.

THTR 495 Field Experience in Theatre (1–15)
Prerequisite: permission of the instructor, department chair and college dean.
Experiential production, performance or management of a theatre outside the university. Amount of credit is dependent on responsibilities undertaken.

THTR 496 Experimental Course in Theatre (1–5) FWSU

THTR 497 Creative Arts Summer Festival (1–5)

THTR 498 Seminar (1–5)

THTR 499 Directed Study (1–5)
Prerequisite: permission of the instructor, department chair and college dean.
Individual study projects in a selected special field of theatre. Limited to senior and graduate students.
Many social, physical, economic, technical and political issues in society cry out for definition and resolution. Among these are: decline in central cities; deterioration of neighborhoods; inefficient and inequitable taxing and regulation policies, congestion and other problems of accessibility, the impact of growth and change, an erosion of natural resources including water, land and air and inefficient or absent human services. Urban and regional planning is one of society’s means for addressing these problems in a creative, positive manner. Planning is a problem-solving profession that is concerned with the forces that influence the quality of life in the neighborhood, city, region, state, nation and world. Thus, planning provides a unique occupational avenue for those who desire a role in shaping a better future.

The goal of Eastern’s program in Urban and Regional Planning is to train competent professionals for careers in planning. To achieve this goal, the department stresses the acquisition of practical, analytical and organizational skills designed to aid the student in analyzing problems and organizing community activities to help solve problems. The combination of classroom instruction and applied planning field projects develops professional competence and ensures that each student has the requisite abilities to function within the profession after leaving the program. The department takes particular pride in having the only accredited undergraduate planning degree in the Northwest and one of only 14 in the nation.

The department maintains an active internship program with local and regional planning agencies throughout the Northwest. Internships are encouraged but not required. An intern gains valuable practical experience while earning credits toward the degree. Credit allocation is determined by the amount of time the student works in the agency.

UNDERGRADUATE PROGRAMS

General Admissions Information for Urban and Regional Planning: Students considering a major in planning should contact the Department’s undergraduate program advisor as early as possible. Early counseling can help students select GECR courses which best complement their major course requirements. Transfer students should contact the advisor during their admission process to have their records reviewed.

In general, students that major in planning are advised to select their GECR courses from the following areas: physical and human geography, geology, biology, statistics, sociology, economics and government. Knowledge in these disciplines will aid students in their planning courses. The university requires that all students receiving a Bachelor of Arts degree fulfill a foreign language requirement. Students who have had two years of the same language during their high school education or one year of the same language at the college level have fulfilled this requirement. This requirement applies to all planning majors. Undergraduates seeking a degree in planning must complete this requirement including students transferring with an associate of arts degree. If the requirement has not been completed prior to admission to the program, the student, in consultation with the program advisor, will have to schedule the completion of their foreign language requirement during their tenure in the planning program.

Although there are no formal admission requirements for entering the undergraduate planning program, acquisition of basic skills in English composition and mathematics is important preparation for the planning major. Normally, students who enter the program as second or third quarter sophomores or juniors should have completed these requirements. Those students who have not will be expected to complete these requirements within the first three quarters of their tenure in the planning program.

Students with life experiences that are closely related to work in the planning profession, community organizing or other similar work, can have a faculty member review their work for credit through evaluation. Credits toward the degree requirements can be granted if these life experiences are sufficient. Credits gained through evaluation are applied to the elective credits in the major.

Awards Program Information

The department conducts an annual awards program to recognize students for work accomplished during their academic careers. These awards include:

- The Frank Schaedegg Memorial Scholarship award ($1000)
- The Washington Chapter APA Scholarship for an undergraduate or graduate student ($2500)
- King Cole Scholarship ($1000)
- Leonard Zickler Scholarship ($1250)

**Undergraduate Scholarship Award:** awarded to the graduating senior whose academic achievement has been outstanding.

**Community Service Award:** awarded to a graduating student who has accomplished noteworthy and exemplary contributions in public service to regional communities.

**Professional Achievement Award:** awarded to a graduate student who has demonstrated outstanding professional knowledge and skill in the performance of a professional internship or research project.

**Community Service Information**

The department has a long history of providing planning and community development services to urban neighborhoods, towns and cities throughout Eastern Washington through its community service program. This work is conducted either on a contract basis with these communities or through other mechanisms. This work provides students with the opportunity to apply their knowledge and skills in realistic planning settings.

**Tribal Planning Curriculum**

EWU has developed a special, long-term relationship with American Indian Tribal governments and organizations, including the Affiliated tribes of Northwest Indians. EWU has developed coursework and service/applied research programs to serve and work with tribal governments. Tribal governments maintain sovereign status in relation to the federal government, which includes the power to plan. The MURP offers a specialization in tribal planning. All students are encouraged to take tribal planning courses to better understand tribal planning issues within a regional planning context.

**Internships Information**

The department maintains an active internship program with local and regional planning agencies throughout the Northwest. Internships are encouraged but not required. An intern gains valuable practical experience while earning credits toward the degree. Credit allocation is determined by the amount of time the student works in the agency.

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**Teaching Methods**

The department emphasizes the acquisition of practical professional skills. Therefore, students not only acquire information in the classroom, but also are involved in field projects requiring systematic application of this information. These field projects are often linked to the Department’s community service function.

**Career Placement Information**

The long-range job outlook for urban and regional planners is good. There is an expanding need for planners in the private sector including consulting firms, land development companies and large corporations involved in land management and location analysis. Planners are also found in non-profit organizations involved in community problem solving. These positions complement more traditional jobs in the public sector including those dealing with comprehensive planning, land use regulation and transportation systems management. The department takes an active role in placing students and is proud of its continuing success in finding positions for its graduates. Agencies and organizations throughout the Pacific Northwest compliment the program for producing graduates who need little additional training to assume their employment responsibilities.

**Faculty:**

**BACHELOR OF ARTS (BA)**

Student Learning Outcomes—students will:

- possess the skills needed to practice planning in a variety of venues in ways consistent with planning ethics;
- understand human settlements as they relate to planning based on knowledge of the relevant concepts and theories;
- understand historical and contemporary planning practice, policy and processes based on knowledge of the relevant concepts and theories;
- understand the different values and ethical standards affecting the practice of planning.

**URBAN AND REGIONAL PLANNING MAJOR (90 CREDITS)**

The department offers a 90-credit Bachelor of Arts major and a 15-credit minor in urban and regional planning. The Bachelor of Arts major is a fully accredited professional degree that prepares the student for entry-level positions in planning.

Students majoring in planning normally enter the program during their second or third year of undergraduate studies. The Planning minor should be utilized by students majoring in other programs who perceive planning as a complement to their education.

In addition to the baccalaureate programs, the department also offers students the opportunity to earn dual degrees with other academic programs. In the past, students have earned concurrent degrees in geography, economics, sociology and government. Students from other programs may also take courses in the department.

**Required Courses (74–75 credits)**

- CSBS 320 Introductory Statistics for the Social Sciences (5)
- or DSCI 245 Data Analysis for Business (4)
- GEOG 100 Fundamentals of the Physical Environment (5)
- GOVT 330 Federalism, State and Local Politics (5)
- PLAN 201 Introduction to Urban and Regional Planning (5)
- PLAN 261 Community Development (5)
- PLAN 271 Professional Practice (2)
- PLAN 300 Planning Presentation Techniques (5)
- PLAN 301 Planning Methods and Techniques (5)
- PLAN 402 Planning Implementation (5)
- PLAN 403 Community Facilities Planning (5)
- PLAN 406 Planning Law and Legislation (5)
- PLAN 430 Environmental Planning (5)
- PLAN 440 Land Use Planning (5)
- PLAN 450 Transportation Planning (5)
- PLAN 460 Urban Design (3)
- PLAN 490 Senior Capstone: Planning Studio (5)

**Electives (15–16 credits)**

- ECON 458 Regional Economics (5)
- GEOG 315 Surface Hydrology (4)
- GEOG 325 Wetland Science (4)
- GEOG 328 Geographic Information Systems I (5)
- GEOG 428 Geographic Information Systems II (5)
- GEOG 429 Geographic Information Systems III (5)
- GEOG 465 Urban Geography (3)
- GEOL 360 Geologic Hazards (4)
- PLAN 362 Census Analysis (2)
- PLAN 375 Tribal Planning (3)
- PLAN 421 Tribal Transportation Planning (3)
- PLAN 422 Tribal Economic Development (3)
- PLAN 431 Environmental Impact Statements (3)
- PLAN 441 Site Planning (5)
- PLAN 442 Sustainable Communities (3)
- PLAN 445 Land Development (3)
- PLAN 446 Development Review (3)
- PLAN 451 Walkable Communities (2)
- PLAN 455 Public Transportation Planning (3)
- PLAN 457 Special Topics in Transportation (2)
- PLAN 465 Historic Preservation Planning (5)
- PLAN 466 Main Street Planning (2)
- PLAN 467 Parks Planning (5)
- PLAN 470 Community Participation Techniques (2)
- PLAN 471 Rural and Small Town Planning (3)
- PLAN 472 Housing (3)
- PLAN 473 Planning in the Western U.S. (3)
- PLAN 476 Comparative Urbanization (4)
- PLAN 495 Planning Internship (1–10)

**Courses offered with the following topical/non-standard numbers may be used as electives if approved by an Urban and Regional Planning adviser:**

- PLAN 496 Experimental Courses (Planning) (1–5)
- PLAN 497 Workshops, Short Courses, Conferences (Planning) (1–5)
- PLAN 498 Seminar (Planning) (1–5)
- PLAN 499 Directed Study (Planning) (1–5)
- SOCI 498 Departmental Seminar (1–5)

Note: electives in other departments possible upon consultation with and permission of the undergraduate planning advisor.

**Required program credits 74–75 credits**

**Elective credits 15–16 credits**

**Total credits for above major 90 credits**

**MINOR**

**URBAN AND REGIONAL PLANNING MINOR (15 CREDITS)**

Select one course from below (5 credits minimum)

- PLAN 201 Introduction to Urban and Regional Planning (5)
- PLAN 261 Community Development (5)
- PLAN 301 Planning Methods and Techniques (5)

Note: Additional courses may be selected from above or other planning courses.

**Total credits for above minor 15 credits**
Each student will be expected to complete a minimum of 72 credit hours, including at least 36 hours at the 500 level or above. Graduate students are encouraged to use selected upper division undergraduate courses as electives and in support of an area of specialization.

Student Learning Outcomes—students will:

- understand historical and contemporary planning practice, policy and processes based on knowledge of the relevant concepts and theories;
- understand human settlements as they relate to planning based on knowledge of the relevant concepts and theories;
- demonstrate skills needed to practice planning in a variety of venues in ways consistent with planning ethics;
- understand the different values and ethical standards affecting the practice of planning.

MASTER OF URBAN AND REGIONAL PLANNING

The MURP Program is a two-year professional curriculum. The program is one of only four in the Pacific Northwest states that is professionally accredited by the Planning Accreditation Board.

The purposes of the graduate planning program are as follows:

1. to provide communities and agencies with competent professionals in the field of urban and regional planning;
2. to prepare professionals who can develop and administer planning policies for the economic vitality, resource efficiency and environmental quality of communities and regions;
3. to fulfill the need for planning-related research with particular emphasis given to research benefiting the region and state;
4. to provide community services in the form of continuing education for public officials, practicing professionals and citizens; technical assistance for area agencies and communities; information and technology exchange with appropriate local, state and federal authorities.

The major distinction between Eastern’s and other planning programs is that our combined teaching and practice focuses on problem solving at regional and community scales.

Admission requirements/Preparation of the MURP program include those required by the graduate school as well as the following:

1. two letters of recommendation submitted to the planning graduate advisor of the Department of Urban Planning, Public and Health Administration. Both letters should be from instructors familiar with the applicant’s undergraduate or, where applicable, graduate academic record. In the event the applicant has professional planning experience, letters may come from a supervisor or person familiar with planning work of the applicant;
2. all applicants shall also submit a personal letter of intent explaining why they wish to study planning and outlining their educational and career goals;
3. all applicants for the program must have completed a class in statistics prior to entry into the program or complete a course while in the program. In the latter case, the credits for the class will not be included in the 72 credits required for the degree.

Degree Requirements

Each student will be expected to complete a minimum of 72 credit hours, including at least 36 hours at the 500 level or above. Graduate students are encouraged to use selected upper division undergraduate courses as electives and in support of an area of specialization.

Core Curriculum and Credit Hours Required of all Students (46 credits)

1. Theory/Philosophy
   - PLAN 501 Foundations of Planning (5)
   - PLAN 502 Advanced Community Development (5)
   - PLAN 508 Reflective Planning Theory (5)

2. Administrative/Management
   - PLAN 500 Planning Practice (2)
   - PLAN 505 Planning Implementation and Law (5)

3. Methods/Techniques
   - PLAN 503 Planning Methods I (5)
   - PLAN 504 Planning Methods II (5)
   - PLAN 506 Planning Methods III (5)

4. Applied Synthesis
   - PLAN 507 Advanced Planning Studio (5)
   - PLAN 591 Research Project Preparation (1)
   - PLAN 601 Research Project (5)
   or PLAN 695 Professional Internship (5)

5. Specialization or Generalist Electives (26 credits minimum)
   Every student must either take courses in one of the specialty areas listed below or take PLAN 540 Land Use Planning (5) and at least two of the following courses:
   - PLAN 460 Urban Design (3)
   - PLAN 510 Community Facilities Planning (5)
   - PLAN 551 Transportation Planning (5)
   - PLAN 570 Environmental Planning (5)
   And additional electives to meet the minimum of 26 credits.

Required Core Credits 46 Credits
Electives Credit 26 Credits
Total Credits for Above master’s degree 72 Credits

Note: Students may not count more than 5 credits in Directed/Independent Studies (PLAN 599) in their program or exceed 10 credits in Directed/Independent Studies (PLAN 599) in combination with PLAN 595 Graduate Internship. With the exception of those who have applied for leaves of absence, students who enroll in PLAN 601 Research Project must maintain continuous enrollment until their degree requirements are met.

Degree Options—choose one of the following specializations for the MA.

Students selecting a specialization must complete the core of a specialization, under advisement from their committee select the majority of their remaining electives from courses that support their area of specialization and do their research paper in the specialty area. The following list indicates the core (*) required classes and additional classes for each specialty area.

TRIBAL PLANNING (MINIMUM 17 CORE CREDITS)

Core Required Courses
- PLAN 523 American Indian Planning (4)
- PLAN 530 Contemporary American Indian Planning (3)
- PLAN 531 Census Data for American Indian Planners (2)
- PLAN 533 American Indian Law for Planners (3)
- PLAN 540 Land Use Planning (5)

Additional Courses
- PLAN 524 Advanced Strategic Planning (4)
- PLAN 528 American Indian Health and Community (4)
- PLAN 529 American Indian Health Care Systems and Services (4)
- PLAN 532 American Indian Economic Development (3)
- PLAN 534 American Indian Transportation Planning (4)
- PLAN 560 American Indian Planning Studio (3)

ENVIRONMENTAL PLANNING (MINIMUM 16 CORE CREDITS)

Core Required Courses
- PLAN 540 Land Use Planning (5)
- PLAN 542 Sustainable Communities (3)
- PLAN 570 Environmental Planning (5)
- PLAN 571 Environmental Review (3)

Additional Course
- PLAN 435 Hazards Planning (2)

SMALL TOWN PLANNING (MINIMUM 16 CORE CREDITS)

Core Required Courses
- PLAN 510 Community Facilities Planning (5)
- PLAN 514 Local Economic Development Planning (3)
- PLAN 540 Land Use Planning (5)
- PLAN 572 Rural and Small Town Planning (3)

Additional Courses
- PLAN 448 Main Street Programs (2)
- PLAN 473 Planning in the Western U.S. (3)
ALTERNATIVE DEGREE OPTIONS
In addition to the above program, students have two alternative options for acquiring a degree in planning. Students may elect to complete an Interdisciplinary Master’s Degree by arranging a set of courses with two or more departments. In these cases, students receive the appropriate degrees, MA or MS, but not the MURP degree.

The Department of Urban and Regional Planning and the graduate program in Public Administration offer a dual-degree program in Planning and Public Administration. However, students who complete these programs will not be considered to have graduated from the accredited program as described above without fulfilling all of the above requirements in addition to those specified in the dual degree program.

Students interested in either of these options must contact the department’s graduate program advisor and have approval to register.

Registration
Before the first registration, students should consult the department’s graduate advisor for assistance in planning courses for the first quarter. The graduate advisor has responsibility for guiding the student until the student has selected a graduate committee. Once the committee has been selected, the chair of the committee provides guidance for the student.

To complete this degree in two years, students must take at least 12 credits per quarter. The load for a full-time graduate student is 12 to 16 hours per quarter. An additional charge will be assessed for credits in excess of 18. Students enrolling for 17 credits or more must have written approval from the graduate advisor or chair of their graduate committee plus the department chair and the dean of the College of Business and Public Administration.

Enrollment Requirements
Students admitted to the Master of Urban and Regional Planning Program must maintain continuous enrollment from the first matriculation until all requirements for the degree are completed. Enrollment may be met in one of the following categories:
1. full-time enrollment of 10 credits or more;
2. part-time enrollment of less than 10 credits;
3. in absentia enrollment.

Graduate students are considered to be actively pursuing a degree from the first enrollment in the graduate planning program until graduation or until the limits described in this catalog have expired.

Under unusual circumstances, a student may petition for a leave of absence. If the petition is granted, the registration requirement will be set aside during that period of leave. Leaves will be granted only under conditions that require the suspension of all activities associated with the student’s degree program, including the research project. The leave of absence shall be for no more than one year. A written request for leave of absence shall be submitted to the student’s committee for approval. The recommendation shall be forwarded to the Graduate Studies Office.

Students who have completed all courses in their program other than PLAN 601 shall continue to register for at least 2 credits of planning courses until the degree requirements have been completed. An approved leave of absence is the only exception to this requirement. Students who do not comply with these requirements for continuous enrollment will have their future registration blocked. They will be allowed to register only after receiving a favorable recommendation from the department’s faculty, the endorsement of the department chair and the approval of the dean of the College of Business and Public Administration.

Student’s Advisory Committee
After receiving admission to Graduate Studies and the Department of Urban and Regional Planning, the student will consult with the departmental graduate advisor concerning appointment of the chair of the student’s advisory committee. The graduate committee administering the comprehensive examination shall, according to department policy, be comprised of three members: two faculty members from the department, with one serving as chair and a third faculty member from another academic discipline. The committee member from outside the student’s discipline may either be appointed by the Graduate Studies Office or students may elect to take the initiative and have a faculty member of their choosing appointed to the third committee position. If the second option is selected, students have the responsibility of approaching such potential members to secure their willingness to serve and the subsequent responsibility of notifying the Graduate Studies Office so that the willing outside members may formally be appointed to committee assignments.

No adjunct, part-time or other faculty located away from the campus may serve as chair of a student’s advisory committee, but they may serve as a member.

The student’s advisory committee has the responsibility for guiding and directing the entire academic program of the student. The student has the responsibility for initiating academic actions concerning the advisory committee. The chair of the advisory committee has immediate supervision of the student’s academic planning and research project. The chair also has the responsibility for calling required meetings of the advisory committee or other informal meetings considered desirable.

The duties of the advisory committee include the responsibility for the degree program, the research or internship proposal, the research project, the internship report and the final examination. In addition, the advisory committee, as a group and as individual members, is responsible for counseling the student on academic matters and in the case of academic deficiency initiating recommendations to the Graduate Studies Office.

The student’s advisory committee will evaluate the student’s previous training and degree objectives. The committee will then outline a proposed degree program and a research problem or internship proposal or some combination of the two. These activities along with the student’s other courses will constitute the student’s program. The student’s proposed degree program must be included in the Application for Degree Candidacy form. This form must be submitted to the Graduate Studies Office prior to the fourth quarter of registration, with endorsements by the student’s advisory committee and the graduate program advisor.

Additional courses may be added to the approved degree program by the student’s advisory committee if such additional coursework is deemed necessary to correct deficiencies in the student’s academic preparation. Changes to an approved degree program can be made with the approval of the student’s advisory committee.

Research or Professional Internship Proposal
Students choosing the research report option must prepare a research proposal for approval by the advisory committee prior to the end of their fourth quarter. Any student contemplating a professional internship must prepare a proposal for the internship which includes a clear set of learning objectives, a work program and an outline of the paper that will evaluate the internship experience.
Research and Internship Reports
Successful completion of a research project or a professional internship is required for the degree of Master of Urban and Regional Planning. Both types of experience require a formal report. In the case of the professional internship, this report must be based upon the learning objectives set forth in the internship proposal and must be a reflective review of the work experience in the light of the theories and methods acquired during the student's tenure in the program. A research report must be the original work of the candidate. Either type of report must be grammatically correct, reflect the candidate's ability to express thoughts clearly and adhere to the format of articles and reports contained in the Journal of the American Planning Association. The research report shall also contain an abstract not exceeding 350 words and a vita page. Instructions relating to the specific requirements of either type of report may be obtained from the department office.

Final Comprehensive Examinations
The candidate for the degree of Master of Urban and Regional Planning must pass a final examination. At the time of the final examination, a student’s cumulative GPA ≥ 3.0. There must be no unabsolved grades <2.0. The student must have completed all degree program course work with the exception of those courses scheduled during the quarter of the examination. Students who have not met these conditions are not eligible to take the final examination.

All students will be required to pass an oral examination during their final quarter. That oral examination shall consist of questions pertaining to the department’s curriculum and the candidate’s own areas of study. The examination may, at the discretion of the student’s committee, include a written component. In addition, all students are required to defend a research or internship report during the course of the final examination.

The final examination is conducted by the student’s advisory committee. The oral examination is open to the public; however, only committee members vote.

It is the candidate’s responsibility to schedule the comprehensive examination at a time agreeable to committee members and to notify the Graduate Studies Office at least two weeks prior to the examination date. In addition to complying with university procedures regarding such matters as deadlines and notification requirements, students within the department must also satisfy two additional procedural requirements with respect to the written component of their final examinations. They must submit an acceptable draft of their research or professional internship report to the chair of their committee no later than the end of the third week of the quarter in which they intend to graduate. In addition, they are also required to submit a final copy of such reports at least two weeks prior to the comprehensive examination.

Students must be registered at the university during the quarter in which the examination is given. A student shall be given only one opportunity to repeat the final examination and that shall be scheduled within the quarter following the first taking of the examination (summer quarter excluded).

GRADUATE CERTIFICATE
EXECUTIVE CERTIFICATE IN TRIBAL PLANNING (23–24 CREDITS)
Through the unique relations between American Indian tribal governments, the Affiliated Tribes of Northwest Indians and the Northwest Tribal Technical Assistance Program, EWU has developed a curriculum in American Indian tribal planning at the graduate level to serve tribal government leaders and staff, American Indian students and anyone interested in understanding tribal planning practice. The Executive Certificate in Tribal Planning is a 23 or 24 credit curriculum that can be part of a graduate program at EWU or a stand-alone certificate. The purpose of the Executive Certificate is to provide executive level graduate education on tribal planning and tribal government administration. All students must complete the graduate admissions requirements for the Planning Program (above). Students must complete the 20 credits of required classes listed below with an asterisk (*), plus one additional class from the Tribal Planning list.

Program Core Required Classes* plus a minimum of one additional tribal planning course.
PLAN 525 American Indian Planning (4) *
PLAN 524 Advanced Strategic Planning (4) *
PLAN 528 American Indian Health and Community (4) *
PLAN 529 American Indian Health Care Systems and Services (4)
PLAN 530 Contemporary American Indian Planning (3) *
PLAN 531 Census Data for American Indian Planning (2) *
PLAN 532 American Indian Economic Development (3)
PLAN 533 American Indian Law for Planners (3) *
PLAN 534 American Indian Transportation Planning (4)
PLAN 560 American Indian Planning Studio (3)

Total minimum credit requirements 23 credits

Note: students in the Certificate program should consult with the Tribal Planning Director.

* Required classes listed below with an asterisk (*) indicate a required class from the Tribal Planning list.
Urban and Regional Planning Courses

Terms offered: fall, winter, spring, summer (FWSU).

If terms are indicated, check with the department or Eglenet.

PLAN 100 The City (5)
Surveys the nature of transformations of cities during the course of their evolution from preindustrial to industrial to the postindustrial cities of today, and explains the factors that have contributed to these transformations.

PLAN 201 Introduction to Urban and Regional Planning (5) F
This lecture/discussion course uses a historical context to introduce the concepts, theories and applications of urban and regional planning.

PLAN 261 Community Development (5) F
Applied studies of the process of community development emphasizing the interactive roles of citizens, community officials and planners.

PLAN 271 Professional Practice (2)
This course provides new majors a general overview of the practice of planning through discussion with practicing planners and guided student activities.

PLAN 300 Planning Presentation Techniques (5) W
Introduces the written, oral and graphic presentation techniques common to the planning profession.

PLAN 301 Planning Methods and Techniques (5) W
Prerequisite: PLAN 201.
This course develops specific skills and techniques in the collection, analysis and interpretation of data commonly used in planning.

PLAN 302 Census and Planning (2)
This course introduces students to census data and their application to planning research and provides background for demographic and other data useful in describing urban places.

PLAN 375 Tribal Planning (3)
Provides an overview of Native American community and culture, the history of tribal government and its contemporary structures and the applications of planning techniques to Native American communities. Emphasizes identifying appropriate planning techniques which promote tribal self-determination and preserve tribal sovereignty.

PLAN 402 Planning Implementation (5) F
Prerequisite: PLAN 201.
A survey of zoning, subdivision regulations and other tools used to implement public plans and policies. Introduces students to the administrative practices associated with the planning implementation process.

PLAN 403 Community Facilities Planning (5) W
An examination of the issues and techniques associated with planning, budgeting and programming for community infrastructure such as sewer and water systems.

PLAN 406 Planning Law and Legislation (5) W
Prerequisite: PLAN 201 or permission of the instructor.
Reviews the constitutional, statutory and case law governing public planning and regulatory activities, with specific emphasis on the legal aspects of regulating private lands to further public objectives and Washington state law.

PLAN 421 Tribal Transportation Planning (3)
This course introduces planning students and tribal members to the issues of transportation planning on Native American reservations.

PLAN 422 Tribal Economic Development (3)
This course provides an understanding of tribal economic development for tribal governments and how it is carried out by planners, economic development specialists and tribal leaders.

PLAN 424 Strategic Planning (4)
Prerequisite: junior standing.
This course presents an overview of strategic planning for tribal governments, private property and government organizations. Components explored include mission, vision and value review, environmental analysis, identification of assumptions and strategies, internal assessment, customer/market analysis both internal and external, critical strategic issues and plan operationalizing.

PLAN 430 Environmental Planning (5) S
Reviews the philosophy and techniques of environmental planning emphasizing an understanding of why environmental considerations should be incorporated into land use planning activities and developing skills needed to carry out an environmental analysis.

PLAN 431 Environmental Impact Statements (5) F
Prerequisites: PLAN 201, PLAN 300 and PLAN 430.
This course examines the issues of and methods of analyzing and organizing land uses in urban and rural environments by balancing the demand for uses with the environmental conditions that limit the supply of the land.

PLAN 440 Land Use Planning (5) S
Prerequisites: PLAN 430 or permission of the instructor.
A studio course in the application of site planning methods and principles to subdivision and site development.

PLAN 441 Site Planning (5)
Prerequisite: PLAN 430 or permission of the instructor.
A studio course in the application of site planning methods and principles to subdivision and site development.

PLAN 442 Sustainable Communities (3)
This course examines the case for sustainable urban and rural development and explores examples of efforts to create sustainable development.

PLAN 445 Land Development (3)
A seminar in the financial feasibility analysis and packaging of land development projects with emphasis on the private land development process and its interaction with the public planning processes.

PLAN 446 Development Review (3)
Prerequisite: PLAN 201 or permission of instructor.
This practice-oriented course guides the student through the process of development review at the local level.

PLAN 450 Transportation Planning (5) F
A lecture/studio class that explores the procedural and conceptual transportation planning process, including a framework for addressing system characteristics, institutional arrangements, theories of travel supply and demand, selected forecasting models and interactions with land use and other urban systems.

PLAN 451 Walkable Communities (2)
This course explores the relationship between urban form and pedestrian activity and the utility of having communities that are accessible and pedestrian friendly.

PLAN 457 Special Topics in Transportation (2)
Prerequisites: EOG 101 and permission of the instructor.
A seminar class that explores transportation planning and policy. Topics vary each year. Recent topics included railroad transportation planning, transportation of hazardous materials and pedestrian and bicycle planning.

PLAN 460 Urban Design (3) S
This seminar explores the theory and techniques of analysis of the design of urban environments, emphasizing the impact local decision-making has on community aesthetics.

PLAN 465 Historic Preservation Planning (3)
Prerequisites: PLAN 300 and permission of the instructor.
This course presents the theories and methods for preserving historic properties as a means for ensuring the longevity of the artifacts of our public heritage.

PLAN 466 Main Street Planning (2)
This class uses the Main Street model to inform students about a process for improving downtowns of small towns and neighborhood business centers.

PLAN 467 Parks Planning (5)
A studio which presents the basic theories and techniques of park planning through the design and development of a park planning project.

PLAN 469 Built Environments of North America: Symbol and Structure (3)
Cross-listed: GEOG 469/ART 469.
Prerequisite: GEOG 101 or permission of the instructor.
This course is a survey of North American architectural landscapes from the colonial period to the present. This course will examine such topics as the diffusion of major styles of residential, commercial and public architecture across the continent, the relationship of geology and climate to the availability of building materials and technology and the effects of these on the human built environment, especially in the Pacific Northwest. Special emphasis will be placed on the visual differentiation of building styles and the symbolic, political and philosophical foundations of architectural form and decoration.

PLAN 470 Community Participation Techniques (2)
Prerequisite: PLAN 201 or permission of the instructor.
A workshop on the application of skills and techniques of community development and participation, emphasizing personal growth, group formation and dynamics with groups and creative change within groups.

PLAN 471 Rural and Small Town Planning (5)
Prerequisite: PLAN 301 or permission of the instructor.
Discussion and research of the patterns of rural land use, emphasizing legislation, environmental characteristics, community values and anticipated land use demand.

PLAN 472 Housing (3)
Prerequisites: PLAN 201, PLAN 261 or permission of the instructor.
Discussion and research into the nature of shelter, housing need, policy and programs, codes and standards and housing assistance plans.

PLAN 473 Planning in the Western U.S. (3)
Prerequisites: PLAN 300, PLAN 301 and PLAN 430.
This course explores how historical context shapes planning in the western U.S. today, examines current planning-related issues associated with urbanization, overurbanization and counterurbanization in a variety of natural settings.

PLAN 476 Comparative Urbanization (4)
Prerequisite: PLAN 261 or permission of the instructor.
Satisfies: international studies university graduation requirement.
A review of the nature of urbanization in developed and developing countries, examining planning-related issues associated with urbanization, overurbanization and counterurbanization in a variety of natural settings.

PLAN 490 Senior Capstone: Planning Studio (5)
Prerequisites: completion of 15 credit hours of planning courses.
Satisfies: senior capstone university graduation requirement.
The culminating studio for undergraduates that demonstrates their abilities through the application of their knowledge and skills to a real community problem. Students typically work in consultation with practicing professionals for a community or agency in producing a planning-related product for use by the client.
PLAN 495 Planning Internship (1–10) 
Prerequisite: permission of the instructor, department chair and dean. Supervised work in a public agency or with a private consultant. Daily journals are kept, a report is written on the work and the student is evaluated by the supervisor and faculty member. One hour credit for each four hours of work per week per quarter.

PLAN 496 Experimental Courses (1–5) 
PLAN 497 Workshops, Short Courses, Conferences (1–5) 
Conferences and short courses on selected planning topics are offered for credit from time to time. These may be on campus or in the communities.

PLAN 498 Seminar (1–5) 
Selected seminar discussions of various planning topics: law, land development, energy, futures, philosophy and practice.

PLAN 499 Directed Study (1–5) 
Prerequisites: permission of the department chair and the instructor.

PLAN 500 Planning Practice (2) 
This course provides an overview of the practice of planning through presentations and discussions with planning practitioners, lectures and guided student activities.

PLAN 501 Foundations of Planning (5) F 
Survey of the history, theory, philosophy and practice of planning. Subject matter treated during the course includes consideration of the nature of the planning profession’s evolution, the profession’s relationship to politics, the extent of ideological pluralism among planners and the highly varied nature of professional planning activities.

PLAN 502 Advanced Community Development (5) 
A survey of the structure and process of community development. Emphasis will be on the role of planners and community development specialists as agents for change in the context of community growth. Course will feature seminars and exercises in community problem solving, needs assessment, small group theory and process facilitation.

PLAN 503 Planning Methods I (5) W 
An introduction to planning process models, work programs, research methods, survey research and descriptive and inferential statistics. Students also learn to present data graphically and orally.

PLAN 504 Planning Methods II (5) S 
Prerequisite: PLAN 503. An introduction and application of population forecasting, assignment and cost/benefit techniques and their application to planning problems. Students also learn to incorporate information from these techniques into professional planning reports and policy analysis.

PLAN 505 Planning Implementation and Law (5) W 
Review of zoning, subdivision regulations and other tools employed by planners to implement public plans and policies. Consideration of constitutional, statutory and case law governing the realm of plan and policy implementation.

PLAN 506 Planning Methods III (5) W 
Prerequisites: PLAN 503, PLAN 504. This is a case studies course focused on comprehensive planning demonstrating how the techniques from previous courses are applied in a comprehensive planning setting and how the functional areas of planning interact with the basic models learned in the previous courses.

PLAN 507 Advanced Planning Studio (5) F 
Preparation of a major planning project for a community or other agency. Students work in cooperation with practicing professionals, conduct general research, perform analysis, develop specialized plans and draft implementation tools. Each student takes specific responsibilities on an interdisciplinary team.

PLAN 508 Reflective Planning Theory (3) W 
Prerequisite: second year of graduate program. This course will present an overview of the range of the philosophical and methodological approaches to planning and their varying roles within the discipline. The emphasis is on examining professional knowledge and reflection in action to provide a contextual guide for planning practitioners as they enter the profession.

PLAN 510 Community Facilities Planning (5) 
This course provides a comprehensive overview of the theory and practice of planning, budgeting, and operating community facilities such as water and sewer systems. The course features a combination of lectures, class presentations, discussion and field trips.

PLAN 511 Health Impact Assessment (2) 
Health impact assessment (HIA) is an analytic and communicative public health process used to inform decision-makers about health impacts of proposed projects, programs and policies that do not traditionally focus on health outcomes, such as transportation, education and housing. HIA serves as a systematic way to shed light on the health consequences of a particular policy decision.

PLAN 512 Growth Management (3) 
An examination of techniques and strategies for affecting the amount, rate, location and quality of growth. A review of existing efforts at local and state levels to manage growth. Consideration of the legal limits to growth management activities.

PLAN 514 Local Economic Development Planning (3) 
This course offers a review of the objectives, strategies and techniques associated with economic development programs for cities, counties and towns. Students survey techniques including consideration of financial assistance programs, expenditures on public capital and regulatory reforms. The course will examine ties between economic development, land use planning and capital budgeting processes.

PLAN 515 Design and Behavior (3) 
This course explores the relationships between environment and behavior with special emphasis given to the design and planning implications of this body of knowledge.

PLAN 523 American Indian Planning (4) 
This course will outline the unique context of tribal governments as sovereign nations under the federal government, examine the history and evolution of tribal government institutions within the unique tribal cultural systems and describe the role and relationship of governance and planning within such a framework.

PLAN 524 Advanced Strategic Planning (4) 
This course presents an overview of strategic planning processes and their application in public and private management including an overview of management theory and practice, organizational planning, program planning, program management, financial management planning and critical issue analysis.

PLAN 528 American Indian Health and Community (4) 
This course focuses on the history, traditional and current practices, and health implications of the American Indian population. Emphasis will be placed on understanding the federal obligation to tribes and tribal sovereignty, the behavioral response and resulting health issues. The course will also examine current health practices and current research with the American Indian population.

PLAN 529 American Indian Health Care Systems and Services (4) 
This course focuses on American Indian health, to include the history, relevant laws and legal structure, and health implications of the American Indian population. Emphasis will be placed on history of Indian health care and the federal Indian policies, federal obligation to tribes and resulting health status of American Indians. The course will also examine inherent tribal sovereignty and the federal-tribal (government-to-government) relationship.

PLAN 530 Contemporary American Indian Planning (3) 
Prerequisite: PLAN 523. The purpose of this class is to provide a comprehensive overview and assessment of the current practice of planning on American Indian Reservations. Key topics include the powers to plan; the structures of tribal government and tribal planning; the tribal comprehensive plan; tribal policies and regulations; and ordinances; public engagement and tribal representation in tribal decision-making as part of planning; and critical research and development to identify and address long-term tribal needs and issues.

PLAN 531 Census Data for American Indian Planning (2) 
The U.S. Census Bureau provides American Indian/Alaskan Native social and economic data critical for marketing, business, planning and public administration. This class offers an introduction to those data sets and their application to American Indian/Alaskan Native reservation populations for applied basic demographic, economic, business and housing data analysis. Students will complete a socio-economic profile for a selected reservation.

PLAN 532 American Indian Economic Development (3) 
The purpose of this class is to provide an understanding of tribal economic development for tribal governments, including data inventory, analysis, and how economic development is carried out by planners, economic development specialists, and tribal leaders. The class will review existing literature on tribal economic development, provide students with the skills and expertise to complete economic and development analysis of tribal data and develop strategies and plans for economic development of American Indian reservations. The class will also discuss tribal entrepreneurship.

PLAN 533 American Indian Law for Planners (3) 
The purpose of this class is to provide a comprehensive understanding of American Indian Law for planners. The complex structures of tribal powers in relation to federal, state, local governments, and the ability for tribes to complete plans, land use regulations, and environmental regulations operate within the context of Indian Law. It is essential for tribal planners to have a strong understanding of key courses, legal issues, and how to work with tribal governments and tribal planning work.
You never change things by fighting the existing reality. 
To change something, build a new model that makes the existing model obsolete. 
Buckminster Fuller (1895–1993)
Women's and Gender Studies offers students an interdisciplinary examination of women’s roles, contributions, history and experiences as well as a critical study of gender structures in societies and cultures in the U.S. and the world. It utilizes gender, along with race and class as a category of analysis, helping students investigate the role that gender plays in our history, literature, art, politics, education, sports, health and family.

The Women's and Gender Studies Program is committed to achieving the following goals:

1. To contribute to a broad understanding of interdisciplinary scholarship, theories and practices concerning the role of women and gender in society;
2. To enhance the credentials and experience of students preparing for careers in a wide range of fields;
3. To increase students’ understanding of diversity and equity in society in accordance with university mission, commitments and initiatives.

Women's and Gender Studies Programs include the academic program and the Women's Studies Center. Women's and Gender Studies and the Center work closely together, the Center maintaining a library and offering numerous presentations and events, both educational and social. The HOME (Helping Ourselves Means Education) information network for non-traditional students is one emphasis of the Women's Studies Center. Women's and Gender Studies faculty and Women's Studies Center staff work with student groups such as HOME, VOX, Scary Feminists and Eagle Pride. Since the program’s purpose is to promote equality of opportunity for women and men, the Women's Studies Center and the Women's and Gender Studies academic program welcome participation by all members of the university community.

The Women's and Gender Studies academic program offers a BA degree in Women's and Gender Studies, a Women's and Gender Studies minor and a Gender Studies Certificate.

Women's and Gender Studies provides critical thinking skills and an understanding of women's diverse contribution to society, all of which are valuable for a wide variety of careers. This integrated degree program is comprised of courses from a broad array of disciplines in four different colleges and provides a strong foundation in the humanities and social sciences.

The Women’s and Gender Studies major will fulfill partial requirements for a Bachelor of Arts degree. This 45–52 credit major requires the completion of a minor or a certificate and provides students with the opportunity to choose a second major to enhance career or post-graduate study opportunities.

The major includes a prior learning option to allow adult learners who have acquired professional or paraprofessional experience to have their experiential learning evaluated for a block of elective credit.

Required courses in the following programs of study may have prerequisites. Reference the course description section for clarification.

BACHELOR OF ARTS (BA)

Student Learning Outcomes—students will:

- Demonstrate knowledge of historical perspectives on feminist thought and feminism as a movement;
- Analyze connections among societal structures such as gender, race, class, age and sexuality that contribute to women’s oppressions;
- Demonstrate knowledge of global perspectives on gender and/or women’s issues;
- Demonstrate knowledge of women’s individual and collective cultural contributions;
- Analyze the role of language in producing and perpetuating cultural attitudes;
- Demonstrate familiarity with the multiplicity of views within feminist scholarship.

WOMEN’S AND GENDER STUDIES MAJOR (45–52 CREDITS)

Note: two years of a single high school foreign language or one year of a single college level foreign language is required for this major.

Note: the above major requires the completion of a minor or certificate approved by a Women's and Gender Studies advisor or a second major.

Note: students must complete at least 25 credits of this major at Eastern Washington University.

Required Courses cross-listed

Introductory—choose one of the following (4–5 credits)
WMST 101 Introduction to Women's Studies (5) or WMST 310 Issues in Women's Studies (4) HUMN 101 or HUMN 310

Foundation—choose one of the following (4–5 credits)
CSBS 310 Framework of Social and Behavioral Sciences Theory (5) or CSBS 320 Introductory Statistics for the Social Sciences (5) or DSCI 245 Data Analysis for Business (4)

Core (8 credits)
WMST 410 Feminist Theory (4) or WMST 490 Senior Capstone Seminar (4) HUMN 410

Experiential Learning Requirement (4 credits)
Choose one of the following:
WMST 495 Internship (2) or WMST 499 Directed Study (related paper)(2)=(4 credits total)
WMST 499 Directed Study (research project)(4)

Electives/Breadth Courses (23–25 credits)
Students will select 23–25 credits from the WMST course distribution list to meet the minimum of 45 credits for the major. The courses must include cross-listings with at least three different departments/disciplines.

Required introductory credits 4–5 credits
Required foundation credits 4–5 credits
Required core and experiential learning credits including electives 32–37 credits
Minimum total credits for above major 45 credits

WOMEN’S AND GENDER STUDIES MAJOR: PRIOR LEARNING OPTION (49–56 CREDITS)

Same as Women's and Gender Studies major above with an added 4 credits for ITDS 300 Portfolio Development.

The Prior Learning Program provides the adult learner who has acquired specialized professional or paraprofessional experience, the opportunity to have their experiential learning evaluated for a block of elective credit. The credit awarded cannot exceed 45 credits and can only be utilized in the prior learning option. The block of elective credit will count toward the 180 credits needed for the baccalaureate degree, but not toward general education requirements or the major. Documenting prior learning requires the Portfolio Development course (ITDS 300) to guide the student in preparation of a portfolio that articulates and validates learning. The portfolio completed in the course can be submitted for evaluation by an Eastern faculty who determines the credit award.

The Prior Learning Option can be taken in conjunction with the 45-credit major listed above.

ITDS 300 Portfolio Development course credits 4 credits
Minimum credits for above major with prior learning option 49 credits
CERTIFICATE

Student Learning Outcomes—students will:

• convey knowledge of historical perspectives on feminist thought and feminism as a movement;
• analyze connections among societal structures such as gender, race, class, age and sexuality that contribute to women’s oppressions;
• analyze the role of language in producing and perpetuating cultural attitudes;
• apply their theoretical knowledge through an internship or experiential learning.

GENRE STUDIES CERTIFICATE (23–28 CREDITS)

An interdisciplinary, critical study of gender and its social impact, designed to increase student understanding of ways in which gender is developed, constructed and expressed in attitudes and institutions of modern societies. The certificate includes a capstone or practicum experience to facilitate students’ abilities to apply their knowledge in a variety of occupations.

Note: no more than 5 credits of summer workshops may be counted toward the certificate.

Note: students who are completing a minor in Women’s and Gender Studies as well as a Gender Studies Certificate may only count one course for both the certificate and the minor: WMST 101 or WMST 310.

Required Courses (8–9 credits)

| WMST 101 Introduction to Women’s Studies (5) | cross-listed HUMN 101 |
| WMST 310 Issues in Women’s Studies (4) | HUMN 310 |

Choose one of the following (5 credits)

| WMST 314 Gender and Communication (5) | CMST 314 |
| WMST 321 Sex and Gender (5) | SOCI 321 |
| WMST 417 Women and Ethics (5) | PHIL 417 |

Required Experiential Component—choose one (3–5 credits)

Must be approved by Women’s Studies Director

| WMST 490 Senior Capstone Seminar (4) |
| WMST 499 Directed Study (3–5) |

Research Project or Guided Teaching/Instructional Development Experience in consultation with Gender Studies Certificate Coordinator and appropriate faculty member.

Electives in Area or Interest (11–13 credits)

Required distribution of electives; choose at least two courses from the list of courses with applied emphasis or applied/theoretical emphasis. You may choose up to five credits from the list of courses with theoretical emphasis. Distribution of courses: see the list below.

Required program credits 9–10 credits

Required experiential component 3–5 credits

Elective credits 11–13 credits

Minimum credits for above certificate 23 credits

MINOR

WOMEN’S AND GENDER STUDIES MINOR (22 CREDITS)

A Women’s and Gender Studies (WMST) minor complements majors in a variety of disciplines. It provides a theoretical, interdisciplinary approach to the critical examination of women’s roles, contributions, history and experiences and of gender structures in societies and cultures in the U.S. and the world.

The minor may also be taken in partial fulfillment for the Bachelor of Arts degree in Interdisciplinary Studies.

Note: students who are completing a minor in Women’s and Gender Studies as well as a Gender Studies Certificate may only count one course for both the certificate and the minor: WMST 101 or WMST 310.

Required program credits 8–9 credits

300-level elective credits 13–14 credits

Minimum total credits for above minor 22 credits

Distribution List of Courses

Applied Emphasis—8–9 credits

| WMST 101 Introduction to Women’s Studies (5) | cross-listed HUMN 101 |
| WMST 310 Issues in Women’s Studies (4) | HUMN 310 |
| WMST 410 Feminist Theory (4) | HUMN 410 |

Women’s and Gender Studies Electives (13–14 credits)

To bring total to 22 credits, select 13–14 credits of electives at 300 level or above from WMST distribution list. No more than 8 credits from the Applied Emphasis of the Distribution List will count toward the minor. Students should consult with the Women’s and Gender Studies director on choice of electives.

Distribution of courses: See distribution list below.

Required program credits 8–9 credits

8–9 credits

13–14 credits

22 credits

Applied/Theoretical Emphasis

| WMST 377 Alternatives to Domestic Violence (2) | SOCI, SOWK 577 |
| WMST 411 Feminist Methodologies (5) |
| WMST 424 Equity and Equality in the Workplace (3) | MGMT 424 |
| WMST 448 LGBTQ Issues For the Professional (4) | SOWK 448 |
| WMST 452 Gender and Sexual Assault (4) | SOWK 452 |
| WMST 495 Internship (1–5) |

Electives 11–13 credits

| WMST 310 Issues in Women’s Studies (4) |
| WMST 411 Feminist Methodologies (5) |
| WMST 424 Equity and Equality in the Workplace (3) |
| WMST 448 LGBTQ Issues For the Professional (4) |
| WMST 452 Gender and Sexual Assault (4) |
| WMST 495 Internship (1–5) |

Distribution of courses: See distribution list below.

| WMST 300–409 Summer Workshops (1) |
| WMST 410 Feminist Theory (4) |
| WMST 410 Feminist Theory (4) |
| WMST 410 Feminist Theory (4) |
| WMST 410 Feminist Theory (4) |
| WMST 410 Feminist Theory (4) |
| WMST 410 Feminist Theory (4) |
| WMST 410 Feminist Theory (4) |

Theoretical Emphasis

| WMST 392 Women in the American West (5) | HIST 392 |
| WMST 410 Feminist Theory (4) |
| WMST 415 Gay, Lesbian, Bisexual and Transgender… (5) | HUMN 415 |
| WMST 420 Queer Theory (5) | PHIL 420 |
| WMST 440 Women and Philosophy (5) | PHIL 440 |
| WMST 475 Women’s Writing in Latin America (4) | SPAN 475 |
WMST 101 Introduction to Women’s Studies (5) W
Cross-listed: HUMN 101.
Satisfies: cultural and gender diversity university graduation requirement.
Explores the struggle for equality, the message and impact of the media, power of language, influence of religion and the role of stratification in social-class, education, race, class, roles, stereotypes and romantic love on the experience of women.

WMST 310 Issues in Women’s Studies (4) F
Cross-listed: HUMN 310.
Satisfies: cultural and gender diversity university graduation requirement.
This course examines current research on the social and health related issues that women face throughout the life cycle. Discussion will include the role of gender stratification in the workplace, gender roles in the family unit, female depiction in the media, substance abuse, body image, pregnancy and sexuality and other issues that affect women’s mental, physical and emotional health. Historical dimensions of women’s health will also be explored, including contributions from various noteworthy women.

WMST 314 Gender and Communication (5)
Cross-listed: CMST 314.
Prerequisite: sophomore standing.
Satisfies: cultural and gender diversity university graduation requirement.
This course examines current research on the interactions among language, gender and communication in contemporary social and cultural contexts.

The history, biology and myths of human reproduction as they apply to women and the interaction of brain, hormones and social life.

WMST 321 Sex and Gender (5) FS
Cross-listed: SOCI 321.
Prerequisite: SOCI 101.
Satisfies: cultural and gender diversity university graduation requirement.
A sociological analysis of differences and similarities between women and men. Examines the impact of gender ideologies on individual identity and social and political arrangements (especially instances of stratification and inequality). Also considers how changes in the gendered nature of society (e.g., socioeconomic organization, socialization, sexuality) occur.

WMST 331 Psychology of Women (4) F
Cross-listed: PSYC 331.
Prerequisite: ENGL 201 or equivalent.
Satisfies: cultural and gender diversity university graduation requirement.
The psychology of women in terms of their bodies, socialization, personality, affiliation and achievement motivations, abnormal behavior patterns, therapy and personal growth needs.

The course uses several scientific themes to rediscover from the past and find in contemporary research, the women who have made significant contributions to science.

WMST 351 Gender in the Century of Total War (5)
Cross-listed: HIST 351.
This course explores the relationship between social constructions of gender and the history of war in the 20th century. Topics include how gender is used to justify war, and the use of gender ideologies in pacifist movements. The course also looks at ways that individual men and women experienced war, and war’s effects on the social, sexual, psychological, political and economic aspects of individuals’ lives.

In this course we examine the socio-structural relationships between women’s lives and women’s crimes and explore how race, class and gender assumptions shape the experiences of female correctional inmates. In addition, we analyze how the prison rules and regulations that girls and women have to abide by are deeply gendered. Since the 1980s, the number of women and girls incarcerated has increased drastically. Yet, we know very little about female criminality and women’s lives inside prison.

WMST 366 Women’s Health Issues (4) S
Cross-listed: HLED 366.
Satisfies: cultural and gender diversity university graduation requirement.
This course will explore the unique personal and social concerns regarding women’s health. Emphasis will be placed on the social and health related issues that women face throughout the life cycle. Discussion will include the role of gender stratification in the workplace, gender roles in the family unit, female depiction in the media, substance abuse, body image, pregnancy and sexuality and other issues that affect women’s mental, physical and emotional health. Historical dimensions of women’s health will also be explored, including contributions from various noteworthy women.

Prerequisite: SOCI 101.
A consideration of family structures, cultures and interactions, examining family patterns and contemporary family debates.

This course covers the history of African American women’s hair. Students will learn how different hairstyles and treatments document a journey of cultural and self-reconstruction plagued by conflict and accusations. The course will also examine the relationship between hairstyle and racial identity.

WMST 377 Alternatives to Domestic Violence (2) W
Cross-listed: SWRK 377.
Satisfies: cultural and gender diversity university graduation requirement.
Analyze theories relevant to issues of domestic violence in their historical, legal and cultural contexts. Therapeutic interventions are explored.

WMST 389 Women, Literature and Art Change (5) S
Cross-listed: ENGL 389.
Prerequisite: ENGL 201.
Satisfies: cultural and gender diversity university graduation requirement.
Examines fictional images of women as these images reflect the changing roles and status of women from Greece to the present, focusing on the 19th and 20th centuries.

WMST 392 Women in the American West (5) S Cross-listed: HIST 392.
Prerequisite: junior standing.
This course examines the lives of frontier women using a variety of primary sources (letters, diaries, oral histories), as well as secondary sources (books, articles, movies, tapes).

WMST 394 Women in American History (5) FW
Cross-listed: HIST 394.
Prerequisite: junior standing.
Satisfies: cultural and gender diversity university graduation requirement.
Brings to life and surveys the accomplishments of women’s history. Attention will be given to non-sexist textbooks, audiovisual materials and testing.

WMST 400 Women and Men in Literature (1) Cross-listed: ENGL 400.
The course teaches the integration of women authors, the ideas of men writing about women and ideas interesting to women in the study of literature. We will deal with textbook selections and a comparative treatment of women and men in a literature survey course. The course will provide a feminist approach and review the literature on gender balance.

WMST 402 Women and Men in the U.S. Economy (1) U Cross-listed: ECON 429.
The course will examine the economic activity and labor force participation of women and men in the United States. Employment issues, such as labor market discrimination, affirmative action and comparable worth will be discussed. Other topics include income distribution, poverty, welfare programs and the tax system.

WMST 405 Women and Men in History (1) U Cross-listed: HIST 405.
This course will deal with the placing of women and men within history. A comparative analysis will be made of the historical treatment given to both women and men. Using American history as an example, the workshop will set forth principles that will effectively help the classroom teacher create a gender balanced course and the student to recognize gender balance in history education. Attention will be given to non-sexist textbooks, audiovisual materials and testing.

WMST 406 Women and Men in the Cultural Landscape (1) U Cross-listed: GEOG 406.
The created landscape reflects human values and experience. This course examines ways in which women and men create, use and experience the humanized landscape. We will examine spatial patterns of human activity from a variety of times and places, linking geographic theory to everyday environments. The course will include map work, slide analysis and a field exercise as tools for identifying and interpreting cultural landscapes.

WMST 409 Women and Men in Contemporary Studies (1) U Cross-listed: ART 409.
Prerequisite: ENGL 201 or equivalent.
The class focuses on how the cultural arts describe society, examining how culture is directed toward social issues. Students will suggest ways in which they can integrate women into the arts and into their understanding of larger cultural relationships.

WMST 410 Feminist Theory (4) S
Cross-listed: HUMN 410 and WMST 410.
Prerequisite: HUMN 101 or HUMN 310 or WMST 310.
Feminist theories developed to explain women’s subordinate position in society and current trends in feminist thought. Includes psychoanalytic feminism, feminist literary criticism and cross-cultural views of feminism.

WMST 411 Feminist Methodologies (5) Prerequisite: HUMN 101, WMST 101 or WMST 310.
This course introduces fundamental concepts and methodological approaches to conducting feminist research. A specific focus is placed on examining and interrogating power relations and ways of knowing, and connecting theory and practice.

WMST 413 Gender and Youth Culture (5) Prerequisite: HUMN 101 or HUMN 310 or WMST 101 or WMST 310 or permission of instructor.
This course investigates the shaping of gender generationally, culturally and historically. A specific focus on girl culture invites critical considerations of the ways that masculinity and femininity change over time and simultaneously interact with socially imposed dichotomies of "girlhood / boyhood."
WMST 414 Gender and Sexuality in Cinema (5)
Prerequisite: ENGL 342.
This course examines issues and concepts related to gender and sexuality in films. It explores the cultural, historical, and social contexts in which films are produced and consumed, and how these contexts shape our understanding of gender and sexuality. Students analyze a variety of films from different national, cultural, and historical contexts, focusing on themes such as gender roles, sexual identity, and the representation of difference.

WMST 415 Gay, Lesbian, Bisexual and Transgender Studies (5)
Prerequisite: one course in or cross-listed with WMST.
Satisfies: cultural and gender diversity university graduation requirement.
This course examines the status and identity of gay, lesbian, bisexual, and transgender individuals, with particular focus on issues of gender and race. It explores the ways in which these identities are constructed, contested, and contested by various social and cultural forces, and the experiences and challenges faced by individuals who identify as gay, lesbian, bisexual, or transgender.

WMST 416 Gender and Media (5)
Prerequisite: junior standing.
This course examines the relationship between media in the U.S. and constructions of gender and sexuality. It explores how media representations of gender and sexuality have evolved over time and how these representations are shaped by cultural, historical, and political factors.

WMST 417 Women and Ethics (5)
Prerequisite: at least one of the following: WMST 101 or WMST 310 or PHIL 211 or PHIL 212.
Satisfies: cultural and gender diversity university graduation requirement.
The course will begin with a brief examination of the treatment of women within traditional ethics. It will then address the views of early feminist philosophers. The course will address the perceptions of Islam vis-a-vis women's rights and the role of women as leaders and participants in U.S. social movements.

WMST 419 Sex, Sexual Activity and Communication (5)
Prerequisite: CMST 419.
This seminar examines the construction of sexual activity and sexual identity through communication, with a focus on the relationship between public policy and private sexuality. It explores how communication shapes and is shaped by gender, race, class, and other social identities.

WMST 420 Queer Theory (5)
Prerequisite: PHIL 420.
This course explores the emerging field of queer theory, which questions the stability of various identity categories, suggesting instead that all performances of sex, gender, and sexuality are influenced by cultural, historical and political factors.

WMST 421 Care and Custody of Female Offenders (5)
Prerequisite: PSYC 421.
Satisfies: cultural and gender diversity university graduation requirement.
This course explores the care and custody of female offenders in the criminal justice system, with particular focus on psychological factors and mental health treatment.

WMST 424 Equity and Equality in the Workplace (3)
Prerequisite: CMST 420.
Prerequisite: ENGL 201.
This course examines feminist theory, the law and business management theories as they apply to equality and equity in the workplace. The course is an integrated approach to business and gender issues.

WMST 425 Family Violence (4)
Cross-listed: SOWK 425.
Prerequisite: WMST 310 or WMST 101 or WMST 310 or permission of instructor.
This interdisciplinary course addresses contemporary concerns about family violence and discusses feminist perspectives on violence in the family. It explores the historical and socio-cultural context of family violence and other explanatory theories provide frameworks for understanding personal and societal responses to family violence. Discussions include dynamics of trauma and recovery and all forms of family violence. Treatment as well as intervention, prevention, and social change approaches are discussed on both the personal and societal level.

WMST 426 Economics of Poverty and Discrimination (5)
Cross-listed: AAST 424, ECON 424.
Prerequisite: junior standing.
Satisfies: cultural and gender diversity university graduation requirement.
The course examines economic theories of discrimination from different perspectives with a particular focus on issues of gender and race.

WMST 427 The Economics of Women and Work (5)
Cross-listed: ECON 427.
Prerequisite: junior standing.
Satisfies: cultural and gender diversity university graduation requirement.
The course examines the economic impact of the increasing participation of women in the labor force of the United States. Economic theories of labor force participation, discrimination and occupational segregation, and societal responses to family violence are discussed.

WMST 430 African American Women's History (5)
Cross-listed: AAST 430.
Prerequisite: ENGL 201.
The course examines historical writings by and about Black women, discussing slavery, lynching, combating prejudices and encouraging racial pride to provide a framework that will deepen understanding of the topic.

WMST 432 Anthropology of Gender (4)
Cross-listed: ANTH 432.
Satisfies: cultural and gender diversity university graduation requirement.
The course examines notions of sex and gender from a cross-cultural perspective. Material covered includes understandings of gender, third genders, human sexuality, and the gendered nature of activities in both non-Western and Western societies.

WMST 437 Women and Islam (5)
Cross-listed: ANTH 437, GEOG 437, HIST 437.
Prerequisite: junior or senior standing.
The course examines the status and identity of women in Islamic communities throughout the world and assesses how different interpretations of Islam, as a simultaneously religious, social, cultural, political and economic system, influences perceptions of women within Islamic communities. It further considers the perceptions of Islam vis-a-vis women and Islamic women themselves by non-Muslim communities.

WMST 440 Women and Philosophy (5)
Cross-listed: PHIL 440.
Prerequisite: at least 4 credits in WMST and/or PHIL.
The course offers an examination of the treatment of concepts relating to women and feminism, both by traditional philosophers and by more recent feminist philosophers. The course will address key issues within philosophy while simultaneously exploring the role of gender in the production of philosophical knowledge.

WMST 444 LGBTQ Issues for the Professional (4)
Cross-listed: SOWK 444.
Prerequisite: junior standing.
The course is designed to assist professionals working with individuals whose identity includes lesbian, gay, bisexual, transgendered or queer/questioning. Topics include: historical oppression, “coming out” as a process, counseling approaches and resources, and social inclusion and exclusion of sexual minorities. Personal attitudes are explored in order to improve professional response to the needs of the LGBTQ communities.

WMST 450 Women and Social Change (4)
Cross-listed: SOWK 450.
Prerequisite: junior standing.
The course addresses contemporary concerns about sexual assault, primarily, but not exclusively, against women. Feminist perspectives on gender socialization and sexual violence provide frameworks for understanding personal and societal responses to sexual violence. Dynamics of trauma and recovery, treatment, prevention and change strategies will be discussed.

WMST 456 The Older Woman (4)
Cross-listed: AGST 456, SOWK 456.
Prerequisite: junior standing.
The course addresses contemporary concerns about sexual assault, primarily, but not exclusively, against women. Feminist perspectives on gender socialization and sexual violence provide frameworks for understanding personal and societal responses to sexual violence. Dynamics of trauma and recovery, treatment, prevention and change strategies will be discussed.

WMST 468 History of Modern American Women (5)
Cross-listed: HIST 468.
Prerequisite: junior standing.
The course explores the history of women in America from the 1900s to the present through the use of a wide range of contemporary documents that allow a variety of voices of the immediate past to speak for themselves.

WMST 471 Human Rights and Women’s Rights (4)
Cross-listed: SOWK 471.
Prerequisite: junior standing.
The course examines the history of human rights and dignity using the declaration of rights by the United Nations and research and initiatives by the World Health Organization and other international human rights groups. The course covers topics on the human rights of women and children including health, food insecurity, economic status, housing, education, violence, war crimes and resettlement/citizenship status. It also examines international and national strategies for furthering human rights on the global stage.

WMST 475 Women’s Writing in Latin America (4)
Cross-listed: SPAN 475, taught in Spanish.
Prerequisite: SPAN 205 or SPAN 312 and SPAN 321 or HIST 365.
The course offers an introduction to women’s writing in Latin America, focusing on narrative productions of the 20th century. We will discuss issues such as female representation and identity, women’s perspective and subjectivity through the reading and analysis of contemporary texts by Latin American women.

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WMST 477  Contemporary Indigenous Women (5)

Cross-listed: IDST 477.
Prerequisite: junior standing.
Satisfies: international studies university graduation requirement.

This course is designed to introduce students to the role of indigenous women in the struggles for national self-determination from a historical/cultural/spiritual/political context. Historically, Indigenous women have always played a very prominent and powerful role within all spheres of indigenous social/political/cultural and economic issues affecting indigenous nations from a contemporary context.

WMST 483  Sociology of Children (5)

Cross-listed: SOCI 483.
Prerequisite: SOCI 101.

Addresses children and childhood from the preschool years through adolescence. Examines historical shifts in the meanings of childhood and the methods used for studying the worlds of children. Explores the theoretical approaches to child development and socialization and how these can be used to understand children's experiences in different cultural settings and situations.

WMST 489  LGBT Writers: Their Lives and Their Works (5)

Cross-listed: ENGL 489.
Prerequisites: ENGL 270 or HUMN 101, WMST 101 or HUMN 310, WMST 310 or HUMN 410, WMST 410.

This course examines the lives and works of Lesbian, Gay, Bisexual and Transgendered (LGBT) writers as well as the historical and social contexts of their writing. Genres may include LGBT fiction, nonfiction, auto-ethnography, letters, diaries, film, critical accounts of authors' work, social networks and other artifacts. The readings focus on the lived experiences of the writers and their characters while (1) identifying "relevant gaps" within the traditional literary canon, (2) questioning "existing modes;" (3) examining "connections among societal structures such as gender, race, class, age, and sexuality that contribute to (LGBT) oppression" and (4) connecting theory to practice.

WMST 490  Senior Capstone Seminar (4)

Prerequisites: WMST 101 or WMST 310 and one additional WMST course of 3 credits or more and ENGL 201.
Satisfies: senior capstone university graduation requirement.

The advanced student of women's studies consolidates and synthesizes feminist scholarship in the seminar. Working collaboratively, instructor and students draw together scholars and their work in numerous disciplines, relating them and drawing conclusions about the nature of society and feminist reality.

WMST 495  Internship (1–5)

Prerequisite: permission of the instructor, department chair and college dean.

WMST 498  Seminar (1–5)
Only the educated are free.
Epictetus, Stoic philosopher (55–135 AD)
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<td>Writers' Center</td>
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I do not think there is any thrill that can go through the human heart like that felt by the inventor as he sees some creation of the brain unfolding to success . . . . Such emotions make a man forget food, sleep, friends, love, everything.

Nikola Tesla (1856–1943)
1. Academic Success Centers
2. Get Lit! Literary Programs
3. Learning Commons
4. Professional Design and Photography Services
5. Ronald E. McNair Scholar Program
6. Technology Services and Support
7. Writers’ Center

ACADEMIC SUCCESS CENTER
509.359.2487 | access.ewu.edu/asc

Staffed by professionals who are committed to student success, the Academic Success Center (ASC) emphasizes independent scholarship abilities, collaborative learning and developmental advising. The ASC is home base for the TRiO Student Support Services project, Eastern Advantage program and the Eastern Scholars Academy.

Types of Student Services Provided
- Instruction in effective university success skills such as:
  - effective study strategies and test-taking techniques,
  - time management and establishing priorities, and
  - using and improving college level reading strategies.
- personalized, one-on-one academic advising;
- access to peer led collaborative learning groups, one-on-one tutoring, and eTutoring;
- involvement in first-year experience programming; and;
- access to workshops such as GRE prep and FAFSA prep.

TRiO Student Support Services (SSS)
TRiO Student Support Services is a federally funded program that serves students who are first generation, low-income, and/or have a registered disability. The goal of TRiO SSS is to increase college retention and graduation rates of its participants and help students make the transition from one level of higher education to the next. The program provides opportunities for academic development, assists students in meeting basic college requirements and serves to motivate students toward the successful completion of their baccalaureate degree. In addition to services listed above, TRiO SSS participants have access to:
- TRiO specific seminar courses
- college to career preparation
- financial aid seminar and FAFSA assistance
- TRiO math lab
- access to TRiO scholarships and direct financial assistance (grant aid)
- personalized academic, career and professional mentoring

Eastern Advantage
Eastern Advantage (EA) is a freshman first-year experience program designed to specifically meet the unique needs of first-generation college students enrolled at EWU. Participants must be Washington state residents, have a demonstrated financial need (FAFSA), apply during their senior year of high school in order to be eligible and be enrolled full time at EWU. Involvement in EA includes the following: intensive first-year academic advising; enrollment in a freshman fall seminar course; and a first-year scholarship toward EWU tuition.

Eastern Scholars Academy
The Eastern Scholars Academy (ESA) is a 10-day, pre-fall program that focuses on enhancing college readiness skills, especially in the areas of math, writing, social engagement, and leadership. Interested students who are selected to attend the Academy must also actively participate in the ASC first-year experiences programs throughout the first three quarters of their freshman year.

GET LIT! LITERARY PROGRAMS
534 E. Spokane Falls Blvd. Suite 203
Spokane, WA 99202 | 509.368.6590 | www.ewu.edu/getlit

Get Lit! programs include an annual literary festival and educational outreach programs that engage members of the Inland Northwest community in a celebration of reading, writing and storytelling for all ages. Each April, the week long literary festival hosts presentations by nationally known public intellectuals, writers and poets, as well as readings, writing workshops, panel discussions, contests and more. Out of 50 events, most are free and open to the public.

Throughout the year, the Get Lit! educational outreach program exposes K–12 students to professional writers. They reach an average of 5,000 students a year, helping young people discover the beauty of language and explore their own capacity for storytelling. Get Lit! programs seek to enhance the artistic, social and cultural life of people throughout the region.

Now a part of Eastern’s College of Arts and Letters, Get Lit! offers interactive internships in a variety of departments related to creative writing, communications, marketing and publicity, graphic design, website maintenance, grant writing, photography and arts education. Gather hands-on experience that will make your résumé shine. Apply to the Get Lit! Programs Coordinator at dringwald@ewu.edu.

LEARNING COMMONS

The Eastern Washington University Learning Commons is a comfortable, student-centered environment focused on academic exploration and collaboration. Located on the main floor of JFK Library, the Learning Commons fosters a community of inquiry where learning becomes creative and where intellectual growth is promoted through the social construction of knowledge. EWU Learning Commons’ Mission is to: provide a collaborative intellectual setting that inspires excellence in learning.

The primary academic support units housed in the Learning Commons are the Writers’ Center, PLUS (offering tutoring, study groups and eTutoring) and the Multimedia Commons. All services are free to EWU students. While their main locations are located elsewhere on campus, the Mathematics Department’s tutoring lab offers after-hours math tutoring in the Learning Commons and Career Services has a kiosk in the Learning Commons to extend services to students. As the Learning Commons grows, more programs will establish kiosks in the Learning Commons.

PROFESSIONAL DESIGN AND PHOTOGRAPHY SERVICES

University Graphics | 303 Monroe Hall | 509.359.2435

Graphic design specialists can create a variety of high quality projects for faculty and staff. Let us bring clarity to your content through collaboration with our design staff. From posters to instructional documents for the classroom, we can assist you.

Photographic services include location and studio photography, preparation of digital images, scanning and enhancing slides, artwork, maps, prints and other instructional aids for your digital or poster presentations.
The TRiO McNair Scholar Program is funded by Congress through the U.S. Department of Education to provide opportunities for undergraduates to define their goals, engage in research and develop the skills and student/faculty mentor relationships critical to success at the doctoral level. McNair Scholars participate in paid research internships with faculty mentors in their majors and attend seminars on GRE preparation and application to graduate programs.

**Applicant Requirements:**
- sophomore standing and above;
- a cumulative GPA ≥ 2.8 overall and ≥ 3.0 in the major;
- U.S. citizen or permanent U.S. resident;
- first generation in college and low-income or belong to a group under-represented in doctoral studies (African Americans, Hispanic/Latinos, Native Americans and Native Hawaiians or other Pacific Islanders).

**Technology Services and Support**

The Division of Information Technology (IT), in partnership with the Library, Student Technology Fee funding and departments, support a number of tech-related services for students, faculty and staff. Some of these services include:

**Help Desk**

Answers to frequently asked questions are available online at helpdesk.ewu.edu. Additional assistance with technology related questions and problems can be requested by entering a ticket at helpdesk.ewu.edu, emailing helpdesk@ewu.edu, calling 509.359.2247 or in person at the Help Desk located on the lower level of the library.

**Information Technology Training and Consultation**

Free online training 24/7/365 of more than 1,100 training titles, provided by Lynda Campus, is available to all EWU students, faculty and staff by accessing ewu.edu/techtraining. IT staff offer consultation on the most effective use of campus technology including email, calendar, Internet, hardware, software, network resources and more. Ten gigabyte NetStorage drive that can be accessed any time and from anywhere. More information on NetStorage is available at tinyurl.com/ewunetstorage.

**Computer Labs**

Hardware includes access to more than 1,000 physical and virtual Windows and Macintosh workstations, scanners, video editing decks, recording studios, printing options of black/white, color, photo, and large format poster-size output, and more. Learn more about Virtual Labs which provides 24/7/365 access to virtual lab computers by going to: tinyurl.com/ewuvlab. Learn more about printing options at: tinyurl.com/ewurps.

Software applications include Microsoft Office, Adobe Suite Master Collection (Photoshop, InDesign, Illustrator, Premiere Pro, Acrobat Pro), class software such as SPSS, SAS, 3dsMax, ArcGIS, Mathematica, MatLab and much more. Additional software can be requested by contacting the Help Desk. Labs open to students during all hours of operations are located in PUB 359 and Riverpoint 207, along with the JFK Library. For more information, visit itech.ewu.edu.

General access departmental computer labs (open during non-class times) are available in many locations around campus including the Academic Success Center, Art, Biology, Chemistry, Computer Engineering and Sciences, Education, GIS, Math, Modern Languages and Psychology. Visit itech.ewu.edu and click the Computer Labs link for specific locations and hours of operation.

The JFK Library provides an equipment checkout service which includes laptops, projectors, point/ shoot and digital SLR cameras, low- high end video cameras, audio recorders and more. This service is located on the JFK Library lower floor at the Help Desk.

Software discounts for Adobe and Microsoft applications, along with free antivirus, are available at the EWU Bookstore. Visit the EWU Bookstore for more details at bookstore.ewu.edu (click the Technology link).

**Classroom Technology Services**

Eastern has three types of high tech classrooms: Enhanced, Televideo and Computer. These are general university classrooms scheduled through the Records and Registration Office prior to the start of each quarter.

- Enhanced Classrooms allow a wide variety of multimedia sources to be projected on large format screens. These rooms are primarily designed to facilitate multimedia presentations.
- Televideo Classrooms provide two-way compressed video conferencing through the statewide K–20 Telecommunications network and are designed to facilitate distance learning.
- Computer Classrooms provide a teaching environment where the instructor and each student have a computer station connected to the campus network and are designed for hands-on computer interaction.

**Writers’ Center**

The Writers’ Center offers thoughtful responses to writers at any stage in their writing processes. Students, faculty and staff are invited to participate in one-on-one sessions with professional responders. A variety of workshops are also conducted to enable students to become more adept at brainstorming, reading, creative writing, thesis preparation, use of style books and résumé preparation. A conversation group for ELL (English Language Learners) students is regularly scheduled each quarter.

Appointments are available Monday–Friday by making a reservation online at our website. Sessions are available at the Cheney or Riverpoint campus via in-person, SKYPE and online response. All Writers’ Center services are free.
HONORS

Dana Elder, Ph.D. Director 217 Hargreaves 509.359.2822

The Honors Program at Eastern is an integrated four-year program of academically challenging courses for superior students. The Honors Program invites applications from high school seniors and from the diverse population of students interested in EWU, including transfers, commuters and nontraditional students. Freshman Honors courses satisfy four of the general education core requirements. Upper-division Honors courses include cross-listings such as, HONS/ANTH 355 Indians of North America and enriched courses in the major (Departmental Honors). Students who complete one or more of the Honors Program curricular requirements receive special recognition.

Enhanced course work, mentoring, smaller classes with outstanding faculty and emphases on great books, writing and critical-thinking significantly strengthen the undergraduate learning experience. Honors participation also enriches applications for graduate or professional programs, employment and/or further study.

INLAND NORTHWEST CENTER FOR WRITERS

Riverpoint One–Suite 425 509.359.4956

The Inland Northwest Center for Writers offers an undergraduate emphasis in creative writing within the English major, as well as a Master of Fine Arts degree that is recognized as one of the outstanding programs in the country. Many of the students admitted to the selective MFA program receive support to pursue their studies. The undergraduate and graduate creative writing courses in poetry, fiction and nonfiction are taught by resident faculty, all of whom are practicing writers with numerous and nationally recognized book publications.

In addition to its regular courses, the creative writing program offers internships with the Center’s literary journal, Willow Springs and also affords students the opportunity to edit and produce a publication of the undergraduate program, Northwest Boulevard. Committed junior and senior students may involve themselves with the Writers-In-The-Community Project, a program that takes student interns as creative writing instructors into area schools, prisons, community centers, halfway houses and other institutions.

The Center also features a regular schedule of visiting writers who make a public appearance in downtown Spokane and meet with students. Recent visitors include Jo Ann Beard, Patricia Hampl, Robert Hass, Yusef Komunyakaa, Thomas Lux, Richard Nelson, Tomaž Šalamun, James Welch, John Edgar Wideman, Phillip Loplate, Rick Bass, as well as the Nobel Prize winner, Ceszlaw Milosz.

MUSIC

119 Music Bldg. 509.359.2241

The Department of Music offers undergraduate and graduate programs in performance, composition and education. The goal of the department is to provide students with musical instruction and experiences of the highest possible quality. Students from a wide range of academic programs participate in seminars and ensembles led by outstanding faculty. Furthermore, the music program’s status as an EWU Center of Excellence enhances its ability to enhance the cultural life of the Inland Northwest and Cheney campus. Our outreach events and partnerships with the Spokane Symphony Orchestra, the Spokane Jazz Orchestra, the Spokane Youth Symphony and the Bob Curnow Band, comprised of many EWU music faculty and alumni make our music program a significant foundation for musical arts in our community.
An honest man speaks the truth, though it may give offence; a vain man, in order that it may.

William Hazlitt, essayist (1778–1830)
AFRICANA EDUCATION PROGRAM
204 Monroe Hall 509.359.2205

The Africana Education Program is an academic and student service program. The Africana Education Program develops and teaches courses in Africana Studies, provides recruitment, support and retention services, and conducts research into the African Diaspora. All courses, services and events provided by the program are open to all EWU students.

Africana Studies courses are designed to promote understanding and appreciation of the African Diaspora as it unfolded over time and as it is currently manifested. The program uses the Afrocentric world view as the philosophical basis for the presentation of its courses.

The Africana Education Program provides academic and non-academic student support services including academic advising, scholarships, scholarship information and mentoring. The program assists students, faculty and staff in understanding the culture and issues of people of African descent. The program sponsors speakers and events and recognizes national African American holidays.

AMERICAN INDIAN STUDIES PROGRAM
706 5th Street 509.359.2441

The American Indian Studies Program at Eastern serves about 200 students, the largest enrollment of American Indians at the three regional state universities in Washington. Its purpose is to make university life a positive growth experience that expands students’ perspectives and vocational horizons. Student services offered through the program include:

- academic planning;
- tutoring;
- career counseling;
- housing and job referral;
- financial aid and scholarship workshops;
- university orientation;
- personal and academic counseling;
- cultural awareness workshops;
- assistance with admissions;
- research and reference materials on American Indians

American Indian Studies offers twenty courses and a minor. The American Indian Education Center is home of the American Indian Studies Program and the Native American Student Association.

CHICANO EDUCATION PROGRAM (CEP)
203 Monroe Hall 509.359.2404

The Chicano Education Program (CEP) is both an academic and a student recruitment and retention program. CEP’s academic focus is on providing all students, regardless of ethnicity, an opportunity to become familiar with the Chicano/Latino community and issues. This is accomplished through CEP’s Chicano Studies 25-credit undergraduate minor. Several Chicano Studies courses fulfill EWU’s cultural diversity requirement. CEP actively participates with the National Association for Chicana/Chicano Studies, stages numerous cultural and art exhibitions and operates a speakers’ forum all of which augment the opportunity to learn about the Chicano/Latino community beyond the classroom setting.

CEP’s student recruitment focuses on increasing the participation of Chicanos/Latinos in higher education. CEP actively recruits Chicano/Latino students from high schools and community colleges and helps prospective students complete their admissions process at EWU.

Retention efforts include:

- scholarships and scholarship information;
- mentoring opportunities;
- college orientation class;
- tutoring;
- academic advising;
- student advocacy;
- efforts focusing on creating a sense of community for Chicano/Latino students at EWU;
- social/cultural programs.

CEP publishes an electronic quarterly newsletter, Q-VO, which informs students, parents and the community about program activities. The CEP houses the College Assistance Migrant Program (CAMP), which is designed to recruit and retain migrant students during their first year of college at EWU. CAMP provides an array of academic support services and financial assistance to program participants.

WOMEN’S AND GENDER STUDIES PROGRAMS
207 Monroe Hall 509.359.2847

The Women's and Gender Studies Program at Eastern encompasses an academic program and a resource center component. The BA degree in Women’s and Gender Studies, the Women’s and Gender Studies minor and the Gender Studies Certificate are comprised of courses that offer an interdisciplinary examination of women’s roles, contributions, history and experiences, as well as a critical study of gender structures in societies and cultures in the U.S. and the world.

The Women's Studies Center under the Women's and Gender Studies program provides:

- a varied series of lunch hour presentations with topics related to women, gender, diversity and children;
- scholarship information for women;
- HOME (Helping Ourselves Means Education), a networking program for low income, nontraditional student parents;
- a comfortable place to meet;
- a library of books focusing on women and gender issues.
He who opens a school door, closes a prison.
Victor Hugo (1802–1885)
**EWU EXTENDED CAMPUS**

**Continuing Education**

509.359.6143 or toll free (800) 331-9959  
http://outreach.ewu.edu

Continuing Education provides opportunities for working professionals to earn clock hours, continuing and professional education units, career advancement, as well as preparation for new professional paths.

**Eastern Online**

509.359.2268 or toll free 800.924.6606  
http://outreach.ewu.edu

Eastern Online offers courses in over 60 academic areas, including majors, minors, certificates, and required courses for a variety of disciplines through the University's online learning management system. Eastern Online provides students with flexible access to EWU courses from any geographic location.

**Eastern Washington University (EWU) at Bellevue College (BC)**

3000 Landerholm Circle  
SE, Bellevue, WA 98007  
425.564.5100  
www.ewu.edu/bc

EWU and BC are collaborating to serve the BC student body and regional population with career advancement opportunities through high-quality baccalaureate degree completion programs. Eastern offers upper division courses on the BC campus that lead to five of EWU's baccalaureate degrees:

- BA in Business Administration
- BA in Children's Studies
- BA in Interdisciplinary Studies
- BA in Psychology
- BS in Technology, Applied Technology option

**Eastern Washington University (EWU) at Lower Columbia College (LCC)**

Contact Interdisciplinary Studies for information, 509.359.6524.

Eastern Washington University and Lower Columbia College (LCC) are collaborating in order to serve the LCC student body and regional population with career advancement opportunities through high-quality baccalaureate degree completion programs.

Students can access an online BA in Interdisciplinary Studies degree or complete coursework at LCC in the BS in Technology, Applied Technology option.

**EWU degrees that are accessible at LCC**

- BA in Interdisciplinary Studies
- BS in Technology, Applied Technology option

**Interdisciplinary Studies**

509.359.2402  
www.ewu.edu/itds

Interdisciplinary Studies offers baccalaureate degrees for students seeking a broad background applicable to a variety career fields. The program has the following options: Liberal Arts, Prior Learning, Addiction Studies, Pre-Occupational Therapy, or Philosophical Studies.

**International Field Study**

509.359.6256 or toll free 800.541.2125  
www.ewu.edu/ifs

High school students and current EWU students participating in educational travel earn academic credit through Eastern Washington University's International Field Studies program. International Field Study offers post baccalaureate credit for teachers and education professionals.

**Off Campus Programs**

509.359.7380  
http://outreach.ewu.edu

Off-campus programs enable students to take courses with EWU faculty and earn undergraduate and graduate degrees from Eastern Washington University regional campuses throughout the State.

**Running Start**

345 Senior Hall  
509.359.6155  
outreach.ewu.edu/running-start

Running Start provides an opportunity for juniors and seniors in Washington's public high schools to earn EWU college credit. Students may be able to take a full college load at little or no cost.

**Summer Session**

509.359.2201  
www.ewu.edu/summer

Summer session enables high school students, college students, and working professionals the opportunity to advance their academic and professional careers. Summer session offers more than 100 courses that are condensed into 4- and 8-week sessions, allowing learners the ability to make the most of the summer term.
Be kind whenever possible. It is always possible.
Tenzin Gyatso; The Fourteenth Dalai Lama (1950–)
Eastern Washington University also works diligently with governmental and non-profit associations to align our international strategy and partnerships with the needs of the region we serve. In addition to providing comprehensive support services for international students, domestic students interested in study abroad and visiting scholars, the Office of Global Initiatives (OGI) team develops new global programming opportunities for students, faculty, alumni and community members. The OGI team also administers the Global Connections Living Learning Community (LLC) in partnership with Housing and Residential Life. As part of this effort, OGI student ambassadors (GA) support new international students as they transition and integrate into the EWU community.
Eastern Washington University’s libraries consist of the John F. Kennedy Library, which is the main library on the Cheney campus, and the Riverpoint Campus Library in Spokane. Access us online at www.ewu.edu/library.

The library provides global information resources with over 140 full-text article databases and other online resources; maintains a book collection of over 860,000 volumes and 59,000 online and print periodicals; and serves as a selective depository for state and federal government documents.

The EWU Libraries’ WorldCat online catalog provides access to our resources, the combined holdings of 37 college and university libraries in Washington, Oregon, and Idaho for expedited delivery, as well as the holdings from libraries around the world. Students may obtain materials not owned by EWU Libraries by submitting interlibrary loan requests online.

Library faculty at both JFK Library and Riverpoint Campus Library provide assistance with library resources. They are also available for class instruction to help students learn the research process.

The Riverpoint Campus Library, located in the Academic Center at the Riverpoint Campus in Spokane, supports the Spokane-based programs of Eastern Washington University and Washington State University. It offers a full range of library services including reference and instruction, interlibrary loan and document delivery, and access to full-text article databases and other online resources.
ASSOCIATED STUDENTS OF EASTERN WASHINGTON UNIVERSITY (ASEWU)

The Associated Students of Eastern Washington University (ASEWU) is a body of elected student representatives who work to promote and encourage the pursuit of higher education and student life on the main campus and branch campuses of EWU. In addition, the ASEWU promotes the expression of student opinion through formal and informal means in accordance with the EWU Student Conduct Code.

The ASEWU Council is a liaison between state, local and university officials, which includes faculty, staff, administration and the students of EWU. The ASEWU commits itself to the students of Eastern Washington University to act as a resource for student activism, to provide students with leadership opportunities and to send a legislative liaison to lobby the Washington State Legislature and the Washington Student Association (WSA).

Twelve students are elected to their respective positions: president, executive vice president, finance vice president and nine Council representatives that address specific departmental areas.

These elected officials are charged with:

- representing the issues and concerns of EWU students throughout the campus community, the city of Cheney and at the state level including such venues as WSA and in the state legislature;
- receiving and identifying issues, concerns and questions from the general student body. When a problem has been identified, seeking a solution and/or a resolution in a proactive manner with the appropriate university personnel and/or community personnel;
- funding of various programs on campus. In addition, providing funding for many ASEWU recognized student clubs and organizations and providing funding for a variety of student services;
- maintaining interaction and communication with SAIL—Student Activities Involvement and Leadership—to ensure that the activities, programs and events provided for students meet the needs of Eastern’s diverse student population.

The ASEWU office is located in 303 PUB, or by calling 509.359.2514. Elected members hold regular office hours during the quarter and encourage students to get involved. Students are invited to visit the ASEWU website at asewu.ewu.edu for current information and activities.

ASEWU Elections

Election of student body officers takes place during spring quarter. Candidates begin filing for their position on the first Friday of the quarter. The primary election is held the fourth Tuesday of the quarter. The general election takes place on Tuesday of the sixth week. A complete description of ASEWU election governance is found in the ASEWU constitution and bylaws, which can be reviewed in the ASEWU office, at the library or online at www.ewu.edu/asewu.

Elected ASEWU officers and Council representatives earn professional experience and are paid during their tenure in office.

ATHLETICS AT EASTERN

You may have now become a member of a National Championship Program You may not have known, but EWU Football won the 2010 NCAA FCS National Championship! EWU’s Athletic Department is a vital part of campus life, with six intercollegiate sports for men and eight for women. EWU is an NCAA Division I athletic program providing training and competition for athletically talented student-athletes and provides a source of pride and entertainment for the campus community, students, alumni and the local area. An athletic contest, whether on the red turf (Inferno) or not, gives students at Eastern an opportunity to celebrate on ESPN, Big Sky TV, SWX or other media outlets while supporting the Eagles! Students cheering and having a good time in the stands is vital to the success of Eagle sports! Join the nation’s best mascot, Swoop, on game days to cheer on the Eagles.

The student-athletes at Eastern consistently lead the Big Sky Conference in academic performance and combined with athletic performance won the President’s Trophy in 2011. The Sky provides exciting intercollegiate competition pitting Eastern teams against institutions such as Montana, Montana State, Sacramento State, Northern Colorado, Northern Arizona, Idaho State, North Dakota, Southern Utah, Cal Poly, U.C. Davis and Weber State. In fall 2014 University of Idaho will be added in all sports other than football. There are also exciting non-conference opponents with the likes of Gonzaga, Washington, Oregon, Oregon State and Washington State.

Division I sports include:

<table>
<thead>
<tr>
<th>Men</th>
<th>Women</th>
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<tbody>
<tr>
<td>Men's Basketball</td>
<td>Women's Basketball</td>
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<tr>
<td>Men's Cross Country</td>
<td>Women's Cross Country</td>
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<td>Men's Tennis</td>
<td>Women's Golf</td>
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<td>Men's Track and Field—</td>
<td>Women's Soccer</td>
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<td>Indoor/Outdoor</td>
<td>Women's Tennis</td>
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<td>Women's Track and Field—</td>
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<td>Indoor/Outdoor</td>
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<td></td>
<td>Women's Softball (Fall 2017)</td>
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<td>Women's Volleyball</td>
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</tbody>
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Home football games are played on the Inferno at Roos Field on the Cheney campus, while basketball and volleyball games are held in Reese Court, the five thousand seat centerpiece of Eastern’s Sports and Recreation Center. Indoor track meets are staged in the Thorpe Field House and outdoor track meets are held at the Roos Field track. Tennis competes indoors in the Thorpe Field House and outdoors on their eight court complex. Soccer competes on the Sports and Recreation Soccer Complex. No admission is charged to Eastern Washington University students to attend all pre-season and regular season competitions. We look forward to seeing you and SWOOP at the games this year!
CAREER SERVICES

114 Showalter Hall | 509.359.6365 | www.ewu.edu/careerservices

Career Services provides resources for every stage of your career development including how to:

- explore career options
- arrange an internship
- search for employment
- polish a résumé
- interview with prospective employers

Career Planning

Career Planning offers a variety of services and resources to help you make well informed academic and career related decisions. Career Planning services include:

- individual career advising
- resources to help you decide on a major
- information on researching career options
- résumé assistance
- job-search preparation
- Career Planning Resource Library with drop in hours each week
- 2 credit Career Development courses—CRSV 210—Career Exploration and CRSV 298—Professional Development

Internship Programs

Receive academic credit by working in positions related to your major field of study and career interest. Internships help you transition from graduation into a career. An internship provides the opportunity to:

- explore specific career interests, evaluate, confirm or reshape career goals
- apply classroom learning to real-life projects and assignments
- establish professional networks
- develop marketable skills

Community Engagement

Career Services can help you find meaningful volunteer positions where you can serve your community and expand your network. Through volunteering, you can:

- increase your awareness of important social issues
- gain exposure to diverse perspectives
- build a valuable network of community contacts
- explore career options
- give back!

All our job, internship and volunteer opportunities can be found through EagleAXIS at www.ewu.edu/eagleaxis

CLUBS AND ORGANIZATIONS

320 Pub | 509.359.7924 | access.ewu.edu/student-activities

Today’s job market demands more than just good grades. Employers want students who have been engaged in extracurricular activities. These experiences provide the ability for students to gain new skills like communication, problem solving, critical thinking skills, networking, responsibility and working within a team.

With an average of more than 100 student organizations on campus each school year, our student organizations offer leadership opportunities that will enrich your campus experience while providing a venue to learn exceptional job skills. Choose from cultural/ethnic groups, academic major-related clubs, academic fraternities, social fraternities and sororities, political/social action organizations, recreation groups, religious/spiritual organizations, service/philanthropic clubs and sports teams.

Besides the many clubs and organizations already in existence, students are welcome to form a new organization. Stop by the Student Activities, Involvement and Leadership Office in PUB 320 for additional information.

DEAN OF STUDENTS—ASSOCIATE VICE PRESIDENT FOR STUDENT LIFE

320 PUB | 509.359.7924

The Dean of Students is responsible for fostering a healthy, secure and supportive environment for students that integrates intellectual, social, cultural and emotional development of students. The dean and staff serve as advocates for students. The dean oversees Student Activities Involvement and Leadership (SAIL—Campus Programs, Clubs and Organizations, Greek Life, Student Government, and Eagle Entertainment), Campus Recreation (Outdoor Programs, Intramurals and Club Sports), the Student Rights and Responsibilities (Judicial Programs, Student Support and Advocacy Manager, Counseling and Psychological Services and Disability Support Services.)
EPIC ADVENTURES

URC 150  |  509.359.4014  |  www.epic.ewu.edu

EPIC Adventures is the EWU outdoor program offering outdoor and adventure trips, instruction, special events, equipment rentals, and an indoor climbing wall for students. Our programs are designed for all ability levels, and we specialize in introducing people to new activities. From backpacking to ice climbing, canoeing to whitewater kayaking, we provide activities that range from relaxing jaunts to full-on adventures. EPIC is open to all students, so stop by and sign up.

EPIC Adventures is based out of the first floor of the University Recreation Center. Check us out at www.epic.ewu.edu, email us at epicadventures@ewu.edu or call us at 509.359.4014.

INTRAMURAL AND CLUB SPORTS

Intramural Sports (I.M.)
Director: Mike Campitelli
509.359.4836
mcampitelli@ewu.edu
ewu.edu/campusrec
(URC) 201

Intramural Sports (I.M.)
One of the largest student activity programs on campus, the Intramural Sports program has nearly 5,500 active participants annually. The program provides EWU students with a diverse schedule of team and individual sports each quarter with leagues offered at advanced, moderate and recreational levels of play. New activities recently started are laser tag and paintball as the I.M. program is constantly searching for new and exciting activities to offer EWU students. What’s in it for you? Improved physical fitness, social and group interaction, leadership/individual/team skills development and most importantly, the chance to have fun and relieve stress from the rigors of college life are all benefits to playing in I.M. Sports. There is no cost to students and faculty/staff pay a small fee to participate with all activities held right on campus for player convenience. I.M. leagues play one night per week for 6 weeks so the time commitment is minimal but the upside is huge. Intramural Sports is funded by the Service and Activities Fee Committee and is a program in the Department of Student Life, Division of Student Affairs. For information on the Intramural Sports program, you can go to ewu.edu/campusrec or ewu.edu/IMsports

Club Sport Federation (CSF)

Continuing to be one of the fastest growing programs on campus is the Club Sport Federation (CSF). Sport clubs are offered based on student interest and campus trends with each club determining whether they want to be competitive or practice/workout based. The CSF is committed to providing EWU students with the opportunity to participate in the sport of their choice while representing EWU in club competitions or for the pure pleasure of connecting with others interested in their sport. One of the biggest strengths of this program is the wide variety of sport options to choose from and the opportunity for students to try a sport they never thought they would have the chance to participate in. Some of the EWU clubs are among the regions elite with many attending regional and national championship tournaments. Get outside your comfort zone and learn a new sport, that’s what the CSF is about as well as the chance to represent EWU in competitions throughout the region. Currently, there are over 35 active clubs in a variety of team and individual sports with new clubs coming online as student interest dictates. With room for all skill levels and gender groups, this great program has an incredible future.

STUDENT RIGHTS AND RESPONSIBILITIES (SRR)

320 PUB  |  509.359.6960

The Office of Student Rights and Responsibilities serves as the conduct affairs office at Eastern Washington University. SRR is primarily responsible for enforcement of the EWU Student Conduct Code. SRR also provides student advocacy and mediation/conflict resolution services for EWU students who are seeking to resolve conflicts with other students.
Eastern is the only regional university in the state of Washington to host a sorority and fraternity community. There are thirteen fraternities and eight sororities registered on campus, providing students with excellent opportunities to develop leadership skills, school pride and social and community involvement.

Four councils govern the Greek community. The Diversified Greek Council (DGC), Interfraternity Council (IFC), National Pan-Hellenic Council, and the Panhellenic Council (PHC) serve as communication centers for the exchange of ideas and information and are responsible for keeping fraternity and sorority chapters in compliance with university and national standards. Sorority and Fraternity Life also has an honor society, Order of Omega, that is dedicated to high standards of academics, leadership, and community service.

The most common way to get involved with sorority and fraternity life is through recruitment. For more information about how to join a fraternity or sorority please contact the Office of Student Activities in 320/322 Pence Union Bldg.

Listed below are established, and in the process of being established, social fraternities and sororities.

<table>
<thead>
<tr>
<th>Fraternities</th>
<th>Sororities</th>
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<tbody>
<tr>
<td>Alpha Phi Alpha (NPHC)</td>
<td>Alpha Phi (NPC)</td>
</tr>
<tr>
<td>Beta Theta Pi (NIC)</td>
<td>Alpha Omicron Pi (NPC)</td>
</tr>
<tr>
<td>Delta Chi (NIC)</td>
<td>Alpha Xi Delta (NPC)</td>
</tr>
<tr>
<td>Iota Phi Theta (NPHC)</td>
<td>Gamma Phi Beta (NPC)</td>
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<tr>
<td>Kappa Alpha Psi (NPHC)</td>
<td>Kappa Delta Chi (NALFO)</td>
</tr>
<tr>
<td>Omega Delta Phi (DGC)</td>
<td>Lambda Theta Alpha (DGC)</td>
</tr>
<tr>
<td>Omega Psi Phi (NPHC)</td>
<td>Sigma Lambda Gamma (NALFO)</td>
</tr>
<tr>
<td>Phi Beta Sigma (NPHC)</td>
<td>Zeta Phi Beta (NPHC)</td>
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<td>Phi Delta Theta (NIC)</td>
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<td>Pi Lambda Phi (NIC)</td>
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<tr>
<td>Sigma Lambda Beta (NALFO)</td>
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<tr>
<td>Sigma Nu (NIC)</td>
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<tr>
<td>Sigma Phi Epsilon (NIC)</td>
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</table>

Washington Student Association (WSA) is a professional statewide non-profit student organization that lobbies for, represents, serves and protects the collective interests of students in post-secondary education in Washington state. As a united body, the WSA will:

• preserve and enhance the quality of education in the state of Washington;
• represent the collective interests of students through communication with state and federal governments and other interested groups;
• serve as a conduit for communication between universities regarding statewide issues and policies;
• develop positive relationships with other student advocacy groups in the state as well as statewide and national student associations;
• aid in the appointment of students to statewide committees and task forces.

Additionally, the organization introduces students to the legislative process and offers students the opportunity to gain valuable organizational experience and create a valuable network with higher education leaders and state legislators. Currently, the WSA is composed of nine member institutions that include baccalaureate institutions, branch campuses, graduate and professional associations and community colleges. The ASEWU works in partnership with the Board of Directors and General Assembly of the WSA to advocate for:

• affordable and predictable tuition;
• increased financial aid;
• increased access and completion for all to higher education;
• equal student representation on all policies impacting students in higher education.

Students who donate two dollars ($2) each quarter they register are supporting WSA’s lobbying efforts in Olympia.
EWU’s student newspaper, The Easterner, serves the university community by providing news and information about campus life. It provides a public forum for discussion and debate of significant ideas and issues. It examines topics that have the potential to highlight solutions to campus problems, to influence the campus community and to promote the common good. The newspaper’s online site, easterneronline.com, also provides news, features and sports stories, commentary, photo slide shows and videos.

All content in The Easterner is either produced or chosen by EWU students. The Easterner’s goal is to provide relevant information to the students, faculty, staff and residents of the communities surrounding EWU.

The paper is distributed weekly during fall, winter and spring quarters throughout the Cheney campus and business district as well as the Riverpoint campus. If you would like The Easterner to be distributed at your business, call the Advertising Department at 509.359.7010.

The first copy of The Easterner is free. Additional copies may be purchased at Isle Hall 102.

The Easterner also provides a learning laboratory for students who are interested in the field of journalism. The Easterner is open to any EWU student or faculty member who wishes to write or copy edit news stories. If you would like to contribute a story or find out more about joining The Easterner staff, call 509.359.4318.

If you have a news tip, press release, or story idea, call The Easterner’s tip line at 509.359.6270. Advertising may be placed by calling 509.359.7010, sending a FAX to 509.359.4319 or email to advertising@theeasterner.info.

The Focus is a daily newsletter published by the Associated Students of Eastern Washington University during the academic year. It is distributed in many campus buildings and EWU Spokane, Riverpoint. This widely read publication contains information of campus events and activities, job opportunities, housing, meetings, general announcements and the popular swap shop section. A new feature of The Focus is that the newsletter can now be read online at www.ewu.edu/asewu under the The Focus tab.

Individuals wishing to submit an announcement or advertisement will find submission forms on the first floor of the PUB next to the Eagle Shop, outside the ASEWU office (303 PUB) or online at www.ewu.edu/asewu under the The Focus tab. Return signed forms to either the box outside of the Eagle Shop or the ASEWU office, 303 PUB. Forms may also be returned via fax to 509.359.4737 or mailed to the ASEWU office, 303 Pence Union Bldg., Cheney, WA 99004-2463.
Everybody needs his memories. They keep the wolf of insignificance from the door.
Saul Bellow, writer, Nobel laureate (1915-2005)
Academic advisors will assist with academic planning, major exploration, prerequisite checking and identification of appropriate course sequencing. They also will refer to additional support services on campus as needed. The academic advisors in the Office of General Undergraduate Academic Advising provide academic planning assistance to all students who have earned fewer than 90 credits and who have not yet declared a major. Students who have declared a major receive academic advising from an advisor in that program or department.

Academic advising and a registration authority are required for all students until sophomore status (earned 45 quarter credits). All other students are strongly encouraged to take advantage of academic advising to stay informed about changes in university and program requirements.

**Departmental Advising**

Undergraduates who have declared a major will be assigned a program advisor. See the information under Declaring a Major and Minor in this catalog. All undergraduates are required to declare a major by the time they have completed 90 quarter credits.

**Graduate Studies Advising**

102 Sutton Hall 509.359.2345

The Graduate Studies Office provides general information for prospective graduate students including anyone pursuing interdisciplinary studies at the graduate level. The Graduate Studies Office oversees all policies and procedures for graduate education and is the clearinghouse for admissions, candidacy, degree completion and academic appeals. Please see the general information on Graduate Studies in the front of this catalog for detailed information.

**DINING SERVICES**

120 Tawanka Hall 509.359.2540 www.ewu.edu/dining

Dining Services is a valuable partner in the daily life of the university community. We demonstrate through our operations the university's commitment to a high quality, student-centered learning environment focusing on product quality and service. We provide freshly prepared, nutritious food that offers good value in convenient locations. Dining Services provides an extensive menu, which includes a variety of tasty and nutritional choices to our diverse student body at reasonable and affordable prices.

**Tawanka Main Street Dining:** Truly the diners’ express lane to All You Care to Eat selections including deli sandwiches and Asian food bar. Open Monday through Friday for lunch and dinner and Sundays for brunch.

**Baldy’s Food Court:** located in the PUB on the second floor, this location has a variety of food offerings throughout the day including a vegetarian food bar and grill, as well as stir fry, pizza and Mexican favorites daily.

**The Eagle Express Market:** located on the first floor of the PUB, our campus convenience store is filled with personal care items, and beverage and food selections.

**The Roost:** located in the Recreation Center, featuring northwest fresh cuisine with EWU flair, this location will have an ever changing menu built around some bistro style classics. All served up in an atmosphere of fun with plenty of sights, sizzles and sounds that make this a one-of-a-kind dining location.

**Swoop’s:** located on the first floor of the PUB, Swoop’s serves up sub sandwiches, burritos and popular grill items.

**The Brickhouse Deli:** Dining Services newest operation, located a few blocks off campus in the heart of downtown Cheney. We are proud to serve the Eastern and Cheney community fast, fresh, reasonably priced sandwiches. Enjoy the relaxing bistro atmosphere while you study or warm up next to the fireplace during the winter months.

**Thirsty Minds Espresso Bar:** located in the JFK Library Lobby and offering Craven’s Coffee espresso drinks and fresh bakery treats.

**PUB Eagle Espresso Company and Freshens Smoothie Bar:** featuring Starbucks espresso drinks and Freshens fruit smoothes throughout the year.

**Tawanka’s Beverage, Bakery & Bistro:** serving up Seattle’s Best espresso beverages, fresh fruit, grab and go bakery product displays, and custom blended smoothies and ice cream treats.

**Tawanka Business Office:** home of Eagle ID Card Services, Dining Plan Management and the Thinking Of You Gift Program.

**EWU Catering Services:** Our philosophy is that high quality cuisine combined with beautiful, creative presentation and impeccable personal service is something that every client deserves. Customer service and satisfaction is of utmost importance to us at EWU Dining Services. That service begins with attention to detail—whether it is listening to a client’s desired menu while being sensitive to their budget or checking the freshness of each food product that is purchased. It continues by inspection to insure the quality and presentation of each finished dish as it leaves the kitchen.

Dining Services also focuses on our environment by using earth friendly disposables and by our use of organic and all natural products. We have eliminated products that contain trans-fat ingredients from our operations and continue to incorporate the current trends in the food service industry.

Note: EWU Dining Services operations utilize full production kitchens. These facilities may contain: dairy, eggs, fish, peanuts, shellfish, soy, tree nuts, sesame and wheat. If you have a food allergy or intolerance to any of the above listed items or any other dietary concerns, please contact a Dining Services representative with any questions or concerns.

**DISABILITY SUPPORT SERVICES**

121 Tawanka Hall 509.359.6871

Providing equal opportunities for students with disabilities at Eastern Washington University is a campus-wide responsibility and commitment. In accordance with Section 504 of the 1973 Rehabilitation Act, the Washington State Law Against Discrimination and the Americans with Disabilities Act, the Disability Support Services Office (DSS) facilitates reasonable accommodative needs of all self-identified students with documented disabilities.

To qualify for service through the DSS Office, students must self-identify, provide documentation of disability and complete an intake interview with DSS personnel. DSS staff will then assist with determining individual needs and provide timely and effective accommodations.

**FINANCIAL AID AND SCHOLARSHIPS**

102 Sutton Hall 509.359.2314 Fax: 509.359.4330 www.ewu.edu/financialaid

Eastern Washington University provides financial assistance to eligible students in the form of scholarships, tuition waivers, grants, work study and loans. Approximately 75 percent of Eastern students receive some form of financial aid. Detailed, up-to-date information for all students is available at: www.ewu.edu/financialaid.
STUDENT SERVICES continued

STUDENT EMPLOYMENT

303 Sutton Hall 509.359.2525 or fax 509.359.6262 www.access.ewu.edu/student-employment

Many students supplement their income and gain valuable work experience with part-time employment. Student Employment assists students interested in finding part-time or full-time jobs to assist in paying for their college and living expenses:

<table>
<thead>
<tr>
<th>on campus</th>
<th>off campus</th>
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</thead>
<tbody>
<tr>
<td>summer positions</td>
<td>Work Study (awarded by Financial Aid as part of student’s financial aid package)</td>
</tr>
</tbody>
</table>

Search for student employment through EagleAXIS at www.ewu.edu/eagleaxis

HOUSING AND RESIDENTIAL LIFE

1027 Cedar Street 509.359.2451 or 800.583.3345 www.ewu.edu/housing

Living on campus completes the college experience! Residents can get involved in hall government, have quick, convenient access to the entire campus and best of all, can share problems, successes, frustrations, joys, insights and questions with roommates and neighbors. It is also a great way to learn about other lifestyles and cultures right where you live. You’ll never feel lonely when living on campus because there is always someone to talk to or someone to eat dinner with!

Residence Halls

With seven residence halls, and a variety of dining options, Eastern offers something for everyone.

Anderson, Brewster, Dressler, Dryden, snyamnncut (pronounced sen-yam-en-sut, is a Spokane Salish word meaning place of gathering and is not capitalized), Pearce and Streeter are available for single students without dependents. We offer a variety of living arrangements including all female/all male floors, extended quiet hours floors and Living Learning Communities where students with similar interests live together and collaborate with faculty and staff in environments outside the classroom. All rooms have Internet access and cable television. A meal plan is required.

Application Procedures

Visit www.ewu.edu/housing to learn more about your living options, the contractual agreement and for complete information about each hall.

The process begins with payment of a non-refundable housing application deposit. To pay your non-refundable housing application deposit and apply for housing go to www.ewu.edu/housing and click the “Apply Now” button.

Room Assignments

Our first round of room assignment notifications will be sent in early July for applications received by July 1st. Additional assignment notifications will be sent approximately every 3–4 weeks thereafter. Room assignment notifications will include each roommate’s name, phone number, email and assigned roommates are encouraged to get acquainted before fall term. In most cases, students can see a room similar to theirs during summer firstSTEP programs. Move-in begins the Friday before classes begin (9 a.m.–5 p.m. daily).

Contract and Rate Information

Fees for residence hall accommodations and meal plans for the academic year are payable quarterly along with tuition and fees. The housing contract is an academic year contract, meaning students are committing to live on campus fall, winter, and spring quarters. Bonuses are available for those submitting their application by May 15. Please visit www.ewu.edu/housing for specific room and board rate information.

Graduate Student and Family Housing

Single graduate students may live in the residence halls. The north wing of Dryden Hall is popular with some graduate students because it has single rooms for those 21 and over. Anna Maria Apartments, Holter House and Townhouse Apartments are available to our married students, students with children and domestic partnerships. Additionally, Holter House and Anna Maria apartments are available to single graduate students. These are all unfurnished apartments and no meal plan is required. Application for apartments should be made at least six months in advance since waitlists are common. For apartment information and application, visit www.ewu.edu/apartments, contact us via email at apartments@ewu.edu or call 509.359.2452.

NEW STUDENT PROGRAMS (NSP)

322 PUB 509.359.6843 access.ewu.edu/nsp

New Student Programs (NSP) serves freshmen, transfer, non-traditional and international students in transition. It is the goal of NSP to help students prepare to transition both academically and socially. This goal is met through several of the programming initiatives supported by NSPs: firstSTEP, New Student Orientation and Welcome Week, Orientation Leadership Development, EWU Transitions Center, and New Student Seminar Transition Courses. For more information call, write or visit New Student Programs, 322 PUB, Cheney WA 99004, 509.359.6843, access.ewu.edu/nsp.

firstSTEP Academic Orientation Undergraduate

firstSTEP is a summer academic orientation program for all new students: freshmen, transfer, non-traditional and international that highlights various areas such as understanding the mission of EWU and the university’s expectations; meeting with academic advisors for advising and registration; providing information concerning academic policies, procedures, requirements and programs; helping students and their families develop positive relationships with faculty, staff, administration and peers in the campus and surrounding community; and engaging with faculty and staff through the Eastern Spotlight event held during firstSTEP. For more information call, write or visit the Office of New Student Programs, 322 PUB, Cheney WA 99004, 509.359.6843, access.ewu.edu/nsp.

New Student Orientation and Welcome Week

The mission of New Student Orientation is to provide new incoming students to Eastern Washington University with guidance, positive role models, knowledge and understanding of what EWU has to offer. Students will transition and participate in orientation activities as a global and diverse community. For more information call, write or visit the Office of New Student Programs, 322 PUB, Cheney WA 99004, 509.359.2034, www.ewu.edu/orientation.

www.ewu.edu
Enrollment and Registration Process
Eastern Washington University has a web based registration system through EagleNET at www.ewu.edu. Confirmation of classes occurs at the time of registration. Registration priority is given to students continuing their enrollment from the current quarter to the next; registration is by scheduled appointment, based on class standing. This information is published on the Web.

Continuing students may register during or after their appointed time but not before. Priority registration for fall is held during spring term. Otherwise, registration for continuing students is scheduled late in each term.

New freshman students are strongly encouraged to attend firstSTEP programs, which includes academic advising, registration, campus tours and information seminars. Information about firstSTEP program dates and schedules are included with the admission acceptance notification. Confirmation of acceptance is required to participate in a firstSTEP program.

Undergraduate transfer students are not required to attend a firstSTEP program and they may register during the open registration period that follows priority registration each quarter. However, advising is required prior to initial registration.

TO BE ELIGIBLE TO REGISTER A STUDENT MUST
Be either a continuing student or accepted for admission or re-admission for the next quarter.

1. Obtain advisor authorization whenever required, as follows:
   • new students (first quarter of enrollment at Eastern, undergraduate and graduate) registering for 10 or more credits;
   • all freshmen;
   • all athletes;
   • any undergraduate student on academic probation;
   • any returning student on academic probation or after dismissal;
   • any undergraduate student requesting more than 18 credits;
   • any graduate student requesting more than 18 credits;
   • Running Start students;
   • international students;
   • any student with nine or more withdrawals.

2. Clear any registration holds.
   • Continuing students should check on EagleNET or with the Records and Registration Office to determine if there are registration holds and the action required to remove the hold.
   • New students will be advised of any holds at registration or during their advising session.
   • Holds are placed on registration for incomplete transcripts, overdue financial obligations, incomplete Financial Aid forms, academic probation and dismissal, pre-university basic skills and disciplinary action.

3. Register at the appointed time.
   • New undergraduate students may register during their firstSTEP program.
   • Continuing graduate and undergraduate students will have an appointment time based on class standing. See the Classification of Students defined on the next page. Check the Records and Registration website for updated information on registration.
   • All students are advised to have alternate courses selected in case of cancellations. All new students should obtain an Eagle Card (ID card). New undergraduate students will receive a student ID card during their firstSTEP program.

4. Determine whether to restrict student information.
   • Limited general information on registered students such as name, addresses, dates of attendance and degrees earned can be legally provided to third parties; however, release of this information may be restricted anytime at the Records and Registration Office. Grades, class schedule and transcript information are not released to third parties unless authorized in writing by the student. No information on students is released for commercial purposes.
   • A directory restriction may be placed in person at the Records and Registration Office.
   • For detailed information, speak with staff in Records and Registration, 201 Sutton Hall, or call 509.359.2321 or 509.828.1394 and see the policy information in the back of this catalog under Access to Academic Records and the Family Educational Rights and Privacy Act (FERPA) of 1974.

Changes to Registration
Schedule change fees for adding classes begin the eleventh day of the quarter. Beginning the fourth day of the quarter, late registration fees are assessed to students not registered in any classes prior to the sixth day of the quarter. Instructor authorization is required to add a class or register beginning the fourth day of the quarter. Instructors are not required to provide class notes, assignments and materials to students who add a course after the first class meeting; it is the student’s responsibility to obtain this information.

Some courses may be closed prior to the fourth day of the term. These courses will require instructor authorization to register.

Dropping Courses
Courses officially dropped through the Records and Registration Office or EWU Spokane prior to the beginning of the quarter and through the 10th day of the regular academic term will be removed from the student’s record. Refunds are calculated according to the current refund schedule. Schedule change fees for dropping/withdrawing from classes begin the seventh day of the quarter. Current fees are listed on EagleNET.

Overloading Courses
Undergraduates who wish to enroll in more than 18 credit hours during a quarter must obtain overload permission from their general or department advisor.

Requests for 19 or more credit hours are generally approved only for those with a GPA ≥3.0. Additional per credit fees are assessed for students enrolled in more than 18 credits per quarter.

Repeating Courses
This is general information that may be superseded by specific program rules on repeats, such as those for undergraduate business majors. Graduate students must also follow the specific policies under Academic Standards and Course Repeat in the front section of this catalog.

You may repeat a course for a higher grade. A course may be repeated regardless of its delivery mode (traditional classroom or independent learning). Courses to be repeated for credit value must be identified during the registration process on EagleNET by going to change class options under the registration category or by marking the repeat option square on the paper registration form.

Undergraduate students will be allowed to repeat any single course twice for a total of three enrollments per course. In addition, you are limited to a total of ten repeats. The last grade assigned will be the grade included in the GPA (grade point average) and all grades assigned will remain on the transcript.
Exception
If a student is showing progress over time, then he or she may be allowed to take the course additional times. Any repetitions beyond the two allowed by this policy will only be permitted at the discretion of the department chair where the course resides. The total number of repeats may not exceed ten.

If you fail to indicate the repeat during registration, there may be detrimental effects on your GPA and total credits toward graduation.

The previous course, along with its credits, grade and grade point average, will remain recorded on your transcript but will be superseded by the new course, grade and GPA. Your cumulative GPA will be adjusted to reflect the new grade.

If you are repeating a course in which you have received a letter grade with no numeric value such as W you do not need to indicate this at registration. You should register for the repeat W course as you would normally register for regular credit and grading.

Courses previously taken may not be repeated under the following conditions:

- receiving a pass (P) grade with the Pass/Fail or Pass/No Credit option;
- to improve an undergraduate GPA after receiving a baccalaureate degree;
- effective spring quarter 2010, courses transferred to Eastern from another institution will not be counted as repeats for the purposes of EWU GPA calculation, but can be used to satisfy prerequisites and all other degree requirements.

Withdrawing from Courses
Withdrawals result in a W grade on the student record and are accepted in the Records and Registration Office or at EWU Spokane from the eleventh day of the quarter until the end of the seventh week. Schedule change fees apply. Students who enroll but do not attend class must officially withdraw or they will receive a grade of 0.0 and be held financially responsible for all tuition and fees.

If there are any questions about course withdrawal, please call the Records and Registration Office at 509.359.2321 or 509.828.1394.

Undergraduate Course Withdrawal Policy
This policy became effective fall quarter 2007 for new students. EWU students are allowed a total of 10 course withdrawals in their undergraduate work. (Withdrawals occur after the normal drop/add period.) Withdrawal from all courses for a quarter for special reasons (for example, extended illness, accident or military service) as documented and approved by Records and Registration would only be counted as a single withdrawal in the apportionment of course withdrawals.

When a student reaches six withdrawals, the student will be notified by Records and Registration. When a student reaches nine withdrawals, a registration hold will be placed on the student’s record and the student will not be allowed to register unless the student has the authorization from his/her advisor (departmental or program if declared, or his/her advisor in the General Undergraduate Academic Advising Office).

If there are any questions about course withdrawal, please call the Records and Registration Office at 509.359.2321 or 509.828.1394.

Withdrawing From the University
Complete withdrawal from the university must be done through the Records and Registration Office or EWU Spokane. Complete withdrawal may be done by phoning the Records and Registration Office at 509.359.2321 or 509.828.1394 or coming in person to complete the Withdrawal Clearance form. There is no schedule change fee to completely withdraw. Refunds are calculated according to the refund schedule. Any student who stops attending and does not officially withdraw from the university will receive grades of 0.0 and be held financially responsible for all tuition and fee charges as well as any applicable financial aid obligations.

Complete withdrawals may be completed any time during the quarter prior to one week before finals. Instructor’s permission may be required after the seventh week of the quarter. Documentation may also be required in certain cases.

If there are any questions about complete withdrawal, please call the Records and Registration Office at 509.359.2321 or Riverpoint Student Services at 509.828.1394.

Students Ordered to Military Duty
Students who choose to withdraw are entitled to a reversal/refund of paid tuition, fees and other expenses as described in this chapter. See Academic Policy 303-30.7. access.ewu.edu/faculty-organization/academic-policies.

Withdrawal for Medical Reasons: Students who withdraw from the university due to documented medical reasons may be eligible for a complete withdrawal from courses and a reversal of tuition and fees. See Academic Policy 303-30.8. access.ewu.edu/faculty-organization/academic-policies.

Classification of Students
A student’s earned credit hours determine undergraduate class standing, including any transfer credits that have been received by the posted deadlines.

Undergraduate: Cumulative Credit Hours Earned Classification

<table>
<thead>
<tr>
<th>0–44 Freshman</th>
<th>45–89 Sophomore</th>
<th>90–134 Junior</th>
<th>135+ Senior</th>
</tr>
</thead>
</table>

Post-baccalaureate (PB)
Post-baccalaureate students are those who hold at least one earned undergraduate degree as documented with official university transcripts. Effective fall 2006, credits earned in this status are recorded on a post-baccalaureate transcript.

Students who enroll at EWU for a second baccalaureate degree, having completed their first undergraduate degree at another university, will have their graduation GPA based on their EWU career only. These students will be eligible for quarterly Dean’s List under the same standards as any other undergraduate student, but are not eligible for graduation honors.

Fifth-Year (5Y)
Students who hold at least one earned undergraduate degree, as documented with official university transcripts and enrolled in courses to complete certification requirements. Effective fall 2006, credits earned in this status are recorded on a post-baccalaureate transcript.

Graduate
Full admission to a graduate degree or graduate certificate program requires official transcripts documenting at least an undergraduate degree. See the Graduate Admission Requirements in the front of this catalog for more information.

Course Load
To complete a 180 quarter credit baccalaureate program in four years of study, a student must average 15 university level credit hours per quarter, or 45 credit hours for the academic year. Twelve credits are the minimum required for financial aid eligibility for full-time undergraduates.

Graduate students enrolled in 10 credits per quarter are considered full-time and are eligible for financial aid.
Course Numbers
Eastern’s courses are numbered sequentially from 100 through 799 with divisions designated for each academic level. Use this reference when selecting courses.

<table>
<thead>
<tr>
<th>Lower Division</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>100–199 primarily for freshmen; may not be taken for graduate-level credit</td>
<td>200–299 primarily for sophomores; may not be taken for graduate-level credit</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Upper Division</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>300–399 primarily for juniors and seniors; may be used for graduate-level credit only with the permission of the vice provost for Graduate Education and Research</td>
<td>400–499 primarily for seniors; graduate students may count a limited number of credits from graded courses, only with program approval</td>
<td></td>
</tr>
</tbody>
</table>

Graduate Level
500–599 graduate level; senior undergraduates may enroll only with permission of both the department chair and vice provost for Graduate Education and Research
600–699 graduate level only
700–799 doctoral level only

All Levels
At all levels, course numbers ending in 95 through 99 indicate special courses, with the particular subject matter varying from quarter to quarter. All departments may offer these types of courses, but not all may be listed in this catalog. Check with the individual program for the availability of special courses.

95–internships
96–experimental courses
97–workshops, short courses, conferences seminars
(Only one workshop course of up to 3 credits may be used to fulfill graduate degree requirements.)
98–seminars
99–independent and directed study

Enrollment Verification
Eastern Washington University contracts with the National Student Clearinghouse to verify enrollments for loans, housing, military identification and other general verifications. Students have free access to their enrollment verification via their EagleNET account. Employers, lending services and others must access the National Student Clearinghouse directly for enrollment verification information. (Students needing enrollment verifications for good student discounts, Alaska Department of Revenue, Canadian Student Loan Program or Tax Commission, or students who do not have a Social Security number listed with the university may contact the Office of Records and Registration for assistance with their enrollment verification.)

Full-time Enrollment

<table>
<thead>
<tr>
<th>Undergraduate</th>
<th>Graduate</th>
<th>International Student</th>
</tr>
</thead>
<tbody>
<tr>
<td>12 credits full-time student</td>
<td>10 credits full-time student</td>
<td>12 credits undergraduate full-time student</td>
</tr>
</tbody>
</table>

Half-time Enrollment

<table>
<thead>
<tr>
<th>Undergraduate</th>
<th>Graduate</th>
<th>International Student</th>
</tr>
</thead>
<tbody>
<tr>
<td>6–11 credits</td>
<td>5–9 credits</td>
<td>6–11 credits</td>
</tr>
</tbody>
</table>

Less-than-half-time Enrollment

<table>
<thead>
<tr>
<th>Undergraduate</th>
<th>Graduate</th>
<th>International Student</th>
</tr>
</thead>
<tbody>
<tr>
<td>1–5 credits</td>
<td>1–4 credits</td>
<td>1–5 credits</td>
</tr>
</tbody>
</table>

Note: check with the international student Advisor to verify eligibility for part-time enrollment, otherwise, full-time enrollment is required of all international students, except for vacation quarters.

Note: for COMD and summer session enrollment verifications information please contact Records and Registration.

Grading and Transcripts
See Policies that follow this section of the catalog for general information that applies to all students. For grading policies specific to undergraduate and graduate degree requirements, including academic probation, see the appropriate section in the front of this catalog.

Reporting Grades
At the end of each quarter, grades are available through EagleNET at eaglenet.ewu.edu beginning the Wednesday after final exams.

Transcript Requests
Official copies of Eastern transcripts may be required for a job, a scholarship, graduate school applications or for other purposes. Requests for official Eastern transcripts must be submitted in writing for each transcript to the Records and Registration Office and must include:

- address where the record is to be sent;
- birth date;
- dates of attendance;
- social security number or EWU ID number;
- student’s full name and maiden name if applicable;
- student’s signature;
- transcript fee.

It normally takes three to five (3–5) working days to process a request for a transcript. Instant transcripts are available at the Records and Registration Office, 201 Sutton Hall, for an additional fee along with a processing wait time. Eastern Washington University does not fax official transcripts. Graduating students will be issued two free transcripts, upon request, after the degree has been confirmed and posted to the Eastern record and all financial obligations to the university have been met.

Unofficial transcripts may be printed from EagleNET eaglenet.ewu.edu. Current transcript fees are posted at www.ewu.edu/transcripts.

Eastern will only fulfill requests for transcripts of course work completed at Eastern. Transcripts received from a high school or another college to fulfill admission requirements are part of each student’s academic file and cannot be returned. Additional copies of those records must be requested from the granting institution.
STUDENT SERVICES continued

STUDENT FINANCIAL SERVICES (SFS)

<table>
<thead>
<tr>
<th>202 Sutton Hall</th>
<th><a href="http://www.ewu.edu/sfs">www.ewu.edu/sfs</a></th>
</tr>
</thead>
<tbody>
<tr>
<td>Riverpoint Phase One Bldg.</td>
<td>509.359.6372 or 509.828.1395</td>
</tr>
</tbody>
</table>

The Student Financial Services Office assists families with making payments for tuition, refunding excess financial aid, setting up direct deposit and answering billing questions. SFS also assists with payment plan options, third party reimbursements and guaranteed tuition plans. There are two offices available to assist students; the EWU Spokane, Riverpoint campus and the main campus in Cheney. For more information visit us online at www.ewu.edu/sfs.

Tuition Pay (Tuition Payment Plan)

Eastern Washington University offers a tuition payment plan administered by Sallie Mae®. Payment plans are convenient, manageable payment solutions that give you the option to pay tuition in interest-free monthly installments, rather than one lump sum. You can also use a plan in conjunction with traditional student loans and financial aid.

Tuition payment plans offer you the opportunity to pay your tuition, interest free, in 11, 10 or 9 payments, beginning June 1, July 1 or August 1 respectively. These plans cannot be used to pay prior balance university debts. Enrolling in a tuition payment plan is easy, simply visit tuitionpay.salliemae.com/ewu or follow the Tuition Payment Plan link at www.ewu.edu/sfs.

Third-Party Billing

If a government agency, military, program or company is paying for your tuition and fees, Student Financial Services can assist you in setting up 3rd party billing arrangements.

Students who are sponsored by a third party may request billing to the sponsor by submitting a written authorization for tuition, fees and other educational expenses. Sponsor invoicing occurs once per term. Sponsor payments must be received for the current term in order for students to be eligible to continue enrollment in subsequent terms.

In any sponsor billing arrangement, the student is ultimately responsible for payment of university charges. If a sponsor fails to pay any amounts invoiced, those original charges are returned to the student account with appropriate late penalties assessed.

Students or sponsors may submit billing authorization forms to the following: Student Financial Services, Attn: Third-Party Billing, 202 Sutton Hall, Cheney, WA 99004 or by fax to 509.359.4832.

Complete arrangements for sponsor billing must be made prior to the statement due dates to prevent late payment penalties. For assistance, call Student Financial Services at 509.359.6372.

Other Refund Information

Non-financial aid credits will remain as credit balances for future quarter charges unless a refund is requested. All refunds resulting from enrollment changes will be subject to a processing fee, if not signed up for direct deposit.

T.O.Y. (Thinking of You Gift Program)

| 120 Tawanka Hall | 509.359.2836 | www.ewu.edu/toy |

EWU’s Thinking of You program is a great on campus gift delivery program. Easy to use and reasonably priced, it offers free delivery of gift packages, balloons, gift mugs and fresh bakery items to EWU residence halls and campus offices. View our seasonal gift selection in 120 Tawanka Hall, the Thinking of You brochure or online. Establish orders two days before desired delivery date. We offer daily deliveries Monday through Friday, 8 a.m.–5 p.m., throughout the academic year.
The Student Support Center provides a wide range of services for students enrolled at any Eastern Washington University campus or those considering admission to EWU. Many services available through Records and Registration and Student Financial Services are available at this convenient location.

FINE ARTS AND MUSIC

119 Music Bldg. 509.359.2241

Eastern’s fine and performing arts facilities are important resources for students in art, music, theater and electronic media programs as well as for students in other disciplines and community members who want to experience the arts.

- Changing exhibitions of local, regional and national artists are featured in Art Department galleries on the Cheney campus, the Gallery of Art and the Photography and Print Gallery. Student work is shown in the Student Gallery in the Art Department.
- Musicals, plays and other dramatic productions are presented regularly at the University Theatre and in Showalter Auditorium.
- The renovated Showalter Hall Auditorium and the Music Department’s Recital Hall are the venues for concerts, recitals and other music productions as well as master classes and performances by visiting artists.
- The Electronic Music Studio provides up-to-date resources in music synthesis, MIDI-assisted recording and printing as well as computer-aided instructional tools for students in composition, performance and music education.
- The Fine Arts Digital Lab offers state-of-the-art hardware and software for digital, visual, filmic and musical composition and editing.

THE PENCE UNION BUILDING

212 PUB 509.359.7921

The Pence Union Bldg., or PUB, provides a variety of services, conveniences and amenities, including:

<table>
<thead>
<tr>
<th>Service</th>
<th>Location</th>
<th>Phone</th>
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<tbody>
<tr>
<td>Free telephones for Cheney and</td>
<td>Computer Lab</td>
<td></td>
</tr>
<tr>
<td>Spokane calls</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Complete travel agency</td>
<td>Hair styling salon</td>
<td></td>
</tr>
<tr>
<td>ATM</td>
<td>Pool table</td>
<td></td>
</tr>
<tr>
<td>Bookstore for textbooks, trade</td>
<td>A cyber-cafe and Rendezvous room for computer work stations, gaming and a pool table.</td>
<td></td>
</tr>
<tr>
<td>books, school supplies, EWU</td>
<td></td>
<td></td>
</tr>
<tr>
<td>clothing, gifts, cards, and</td>
<td></td>
<td></td>
</tr>
<tr>
<td>computer software.</td>
<td></td>
<td></td>
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<tr>
<td>Food services, including Baldy’s,</td>
<td>The Eagle Express Market for fresh milk, microwavable foods, snacks, candy, school supplies, personal items and seasonal gifts.</td>
<td></td>
</tr>
<tr>
<td>Swoop’s Smoothie Bar, Thomas</td>
<td></td>
<td></td>
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<tr>
<td>Hammer Coffee and other</td>
<td></td>
<td></td>
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<tr>
<td>unique concession stands.</td>
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</tr>
</tbody>
</table>

UNIVERSITY RECREATION CENTER

119 URC 509.359.4026  www.ewu.edu/reccenter urc@ewu.edu

The University Recreation Center features: Multi-purpose arena that is an ice rink from June–March and basketball courts from April–June.

<table>
<thead>
<tr>
<th>Facility</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>A two-level 17,000 sq. ft. fitness</td>
<td>EPIC Adventures for all of your outdoor trips and rental gear</td>
</tr>
<tr>
<td>center</td>
<td></td>
</tr>
<tr>
<td>30’ indoor climbing wall</td>
<td>200 meter running track</td>
</tr>
<tr>
<td>Gymnasium with basketball and volleyball courts</td>
<td>Club Sport Federation Office</td>
</tr>
<tr>
<td>Ice rink (June–March)</td>
<td>Health, Wellness &amp; Prevention Office</td>
</tr>
<tr>
<td>An indoor parking garage</td>
<td>The Roost dining area</td>
</tr>
</tbody>
</table>
Writing on a blackboard is like writing a letter, or a poem, by hand. For one class period, what you’ve written is your holograph.

Michael McFee; Ode to the Blackboard; The Chronicle of Higher Education (Washington, DC); May 19, 2014
The Comprehensive Health & Wellness Program is an all-inclusive approach to student physical and mental well-being. This approach brings together the student health clinic services provided by Rockwood Clinic, health and wellness education and outreach, and counseling and psychological services (CAPS). Students will have access to basic level of ambulatory health clinic services at any Rockwood Clinic location in Cheney and the Spokane region. Students will also have access to individual and group counseling, wellness programs and outreach, and peer education services at no additional cost.

Please Note: Students taking less than 6 credits can request voluntary participation in the program in order to have access to these services. Students have until the 10th day of the quarter to request and pay for the services.

Summer Students: Summer students do not automatically participate in this program! These services are not included as part of summer tuition and fees, therefore the services are not automatically charged in the summer. Students requesting services must either be registered for classes or be a continuing student in the fall quarter. Summer students must voluntarily pay the fee to use the health services. The fee must be paid by the 10th business day of summer quarter.

Please contact Health, Wellness & Prevention Services at 509.359.4279 or Counseling and Psychological Services at 509.359.2366 for additional information. Recommended immunizations: Eastern Washington University does not currently require written documentation of student immunization status. We do encourage all students to conform with college health recommendations, which include up-to-date immunization status for the following:

- Measles/Mumps/Rubella (MMR) 2 doses
- Td/Tdap
- Polio
- Hepatitis A and B
- Influenza
- Varicella (Chickenpox)
- Meningococcal Quadrivalent Polysaccharide (Bacterial Meningitis)
- HPV (Human Papillomavirus) Male and Female

Recommended Adult Immunization Schedule, by Vaccine and Age Group United States, 2014, Center for Disease Control.

COUNSELING AND PSYCHOLOGICAL SERVICES (CAPS)

An important feature of Eastern’s student support services, CAPS is designed to help students cope with some of the common frustrations and stresses of college life. CAPS offers individual and group counseling for enrolled EWU students. Walk-in counseling, referrals and consultation services are offered free of charge to the university community. Our staff of psychologists, counselors and graduate trainees is prepared to help with such concerns as anxiety, depression, family problems, relationship difficulties, sexual questions and uncertainties about personal values and beliefs.

CAPS is not a place that hands out pat answers or ready made solutions. Rather, it is a place where a student can discuss concerns in a comfortable and confidential setting. New understandings and insights may then be translated into a plan for action and change.

EAGLE CARD (EWU ID Card)

New EWU students are allowed an Eagle ID Card following completion of their registration for classes. A photo ID and proof of enrollment must be provided before an Eagle Card can be issued. The first card is free of charge. A $25 replacement fee is applied for lost, stolen or damaged card. The card is electronically updated each quarter.

Students who do not re-enroll are advised to retain their ID card, or they will be assessed the $25 fee for a new card upon return to EWU. Students are personally liable for all obligations incurred by the use of their Eagle ID Card. Report lost, stolen or found ID cards immediately to the Tawanka Business Office, Monday–Friday between 8 a.m.–5 p.m.
HOME (Helping Ourselves Means Education)

207C Monroe Hall 509.359.4237

HOME is a networking program for low-income, non-traditional student parents. Several times each quarter, HOME students organize Eagles and Eaglets activities that students can do with their children. Their office maintains a resource referral database on housing, childcare, scholarships and community services, as well as campus resources. They also offer childcare scholarships to help students pay for day-care expenses. Every fall, the HOME program sponsors the Giving Tree, a holiday resource for low-income EWU students. Any student not knowing what to do with books not eligible for the bookstore buyback can donate books to HOME as part of an ongoing fund-raising book drive. For more information about HOME, please go to their blog: ewuhomegroup.blogspot.com

PARKING

131 Tawanka Hall 509.359.PARK (7275)

Parking at Riverpoint: permits available through WSU Bookie–314 South Campus Facility.

Permits for on-campus parking are obtained at 131 Tawanka Hall. Parking permits are required to park in any on-campus lot. Space is limited so apply early. Metered parking is also available. Please call the parking office for specific information on the availability of visitor or disability parking space. The P-12 lot located behind Roos Stadium is a free parking lot except for special events days. Parking Services, 509.359.7275.

UNIVERSITY POLICE

101 Red Barn 509.359.6300

The University Police Department is located at 7th and Washington in the Red Barn. Officers are on duty 24 hours a day seven days a week. The university police officers are commissioned and have the authority to enforce all local, state or federal laws. The administration office for the University Police Department is open to the public during regular business hours, Monday through Friday. You can call 509.359.6310 to speak to someone in police administration. University police officers can be contacted 24 hours per day by calling 509.535.9233; a police dispatcher will answer. For emergencies call 911.

Some of the services provided by the University Police:

- vehicle jumps
- vehicle unlocks
- lost and found
- fingerprinting
- weapons storage (for students that live on campus)
- crime prevention awareness training
- alcohol/drug awareness training

VETERANS RESOURCE CENTER

122 Showalter Hall 509.359.7040

The Veterans Resource Center provides critical services and support for our veterans: active-duty, National Guard and Reserve military personnel, their spouses and dependents. The Center assists our veteran students as they transition back into civilian life and learn to navigate the university system. The Center supports the unique recruitment, retention and educational needs of students whose lives are inextricably connected to the military.

The Veterans Resource Center provides

- GI Bill benefits
- admissions and financial aid counseling
- targeted recruitment
- academic and personal advising
- liaison with disability services
- referrals to campus support services
- specialized tutoring
- support for veterans student club
- activities for veteran and military students and their families
- public presentations and speakers
- workshops for veteran and military students
- faculty and staff training

The Veterans Resource Center also provides a space for veterans to socialize, a computer lab and conference/workshop space. EWU expects to increase the number of student veterans utilizing GI benefits each year, and to see a student retention rate among veterans that exceeds the general student population.

Providing education to the wider community is also a mission of the Center, as it aims to organize discussions and symposia on such topics as best practices for supporting military service members and serving veterans in higher education.

The Center staff includes a director, an academic advisor, a financial aid specialist, VA work study students and faculty liaisons.

The Veterans Resource Center facilitates faculty liaisons in each college to ensure effective communication and coordination with those EWU departments and staff that regularly interact with veteran and military students.
 Violations of academic integrity involve the use or attempted use of any method or technique enabling a student to misrepresent the quality or integrity of any of his or her work in the university and the program of study. Violations of academic integrity with respect to examinations include but are not limited to copying from the work of another, allowing another student to copy from one’s own work, using crib notes, arranging for another person to substitute in taking an examination, or giving or receiving unauthorized information prior to or during the examination. Violations of academic integrity with respect to written or other types of assignments include but are not limited to failure to acknowledge the ideas or words of another that have consciously been taken from a source, published or unpublished; placing one’s name on papers, reports, or other documents that are the work of another individual, whether published or unpublished; misuse of the assistance provided by another in the process of completing academic work; submission of the same paper or project for separate courses without prior authorization by faculty members; fabrication or alteration of data; or knowingly facilitating the violation of academic integrity by another. Violations of academic integrity with respect to intellectual property include but are not limited to theft, alteration or destruction of the academic work of other members of the community or of the educational resources, materials or official documents of the university.

**Definitions**

Violations of academic integrity involve the use or attempted use of any method or technique enabling a student to misrepresent the quality or integrity of any of his or her work in the university and the program of study. Violations of academic integrity with respect to examinations include but are not limited to copying from the work of another, allowing another student to copy from one’s own work, using crib notes, arranging for another person to substitute in taking an examination, or giving or receiving unauthorized information prior to or during the examination. Violations of academic integrity with respect to written or other types of assignments include but are not limited to failure to acknowledge the ideas or words of another that have consciously been taken from a source, published or unpublished; placing one’s name on papers, reports, or other documents that are the work of another individual, whether published or unpublished; misuse of the assistance provided by another in the process of completing academic work; submission of the same paper or project for separate courses without prior authorization by faculty members; fabrication or alteration of data; or knowingly facilitating the violation of academic integrity by another.

**Sanctions:** penalties that may be applied in the event that a violation of academic integrity is found to have occurred. Sanctions may be combined and may include but are not limited to:

- verbal or written reprimand;
- educational opportunity, such as an assignment, research or taking a course or tutorial on academic integrity;
- grade penalty in a specific academic exercise;
- course grade penalty;
- course grade penalty of a failing course grade; A course grade penalty of a failing course grade is recorded on the transcript as an XF and counted as a 0.0 for purposes of GPA calculation. In this case the 0.0 would be a permanent part of the GPA calculation. A student may petition to have the XF on the transcript changed to a 0.0 two years after the date it is entered. A student may have the XF converted to a 0.0 prior to the end of this two-year period if the student successfully completes a course or tutorial on academic integrity. If, after completing this course, a student again receives a sanction for a violation of academic integrity, that sanction shall be a permanent part of the student’s transcript.
- suspension for a definite period of time;
- dismissal from the university.

Sanctions involving grades in an academic exercise or a course final grade may be imposed by the instructor following the procedures outlined in this policy.

Sanctions of suspension or dismissal from the university may only be imposed by the President or the President’s designated disciplinary officer who will review recommendations for suspension or dismissal prior to imposing such sanctions.

**Privacy:** Student privacy rights are to be strictly observed throughout these procedures. A final finding that a student has violated the Academic Integrity Policy is placed in the student’s confidential academic record. Each step of the process to determine whether a violation has occurred is to remain confidential. Only those parties identified in these procedures are considered to have a need to know information regarding an individual student’s actions.

**Initiation of Violation of Academic Integrity/ Misconduct Hearing Process**

An instructor may initiate the process to review charges of a violation of academic integrity by notifying the alleged offending student of the charges and of the sanction proposed by the instructor. This notification shall occur within five (5) university instruction days of establishing that grounds exist that an infraction of the academic integrity code exists. Notification may be oral but must always be supported by written notification. Notification shall include a description of the alleged violation of academic integrity including appropriate dates, specification of assignment/test/exercise and any relevant evidence. The notification shall also include the specific remedy proposed by the faculty member for the misconduct. The notification shall also indicate to the student whether the instructor elects to offer resolution through Direct Instructor-Student Resolution or through External Resolution. These processes are described separately below.

**ACADEMIC INTEGRITY POLICY**

EWU expects the highest standards of academic integrity of its students. Academic honesty is the foundation of a fair and supportive learning environment for all students. Personal responsibility for academic performance is essential for equitable assessment of student accomplishments. The university supports the faculty in setting and maintaining standards of academic integrity. Charges of academic dishonesty are reviewed through a process that allows for student learning and impartial review.

**Definitions**

Violations of academic integrity involve the use or attempted use of any method or technique enabling a student to misrepresent the quality or integrity of any of his or her work in the university and the program of study. Violations of academic integrity with respect to examinations include but are not limited to copying from the work of another, allowing another student to copy from one’s own work, using crib notes, arranging for another person to substitute in taking an examination, or giving or receiving unauthorized information prior to or during the examination. Violations of academic integrity with respect to written or other types of assignments include but are not limited to failure to acknowledge the ideas or words of another that have consciously been taken from a source, published or unpublished; placing one’s name on papers, reports, or other documents that are the work of another individual, whether published or unpublished; misuse of the assistance provided by another in the process of completing academic work; submission of the same paper or project for separate courses without prior authorization by faculty members; fabrication or alteration of data; or knowingly facilitating the violation of academic integrity by another.

Violations of academic integrity with respect to intellectual property include but are not limited to theft, alteration or destruction of the academic work of other members of the community or of the educational resources, materials or official documents of the university.

**Arbitrator:** an individual holding or having held faculty rank, appointed by the dean of graduate and undergraduate studies for the purpose of reviewing charges of academic dishonesty against a student within a prescribed time frame as either a first level reviewer or a second level reviewer.

**Instructor(s):** the instructor of record.

**Resolution/Appeal Form:** a set of forms to be utilized to document and communicate charges of a violation of academic integrity, instructor recommendations, student responses, process options and decisions reached.
Direct Instructor-Student Resolution
If the instructor elects Direct Resolution, the finding and proposed sanction of the instructor is considered a first level review that can be appealed to an appointed arbitrator at a second level review.

The instructor may elect to attempt resolution through direct interaction with the student. The student would so indicate that notification had been received by signing the appropriate line of the Resolution/Appeal Form.

Upon notification, the student has five (5) university instruction days to respond to the instructor.

The student may accept responsibility for the alleged action and waive the right to appeal by accepting the charges and the sanction proposed by the faculty member or a sanction mutually agreed upon. If the student agrees to direct resolution, the student and faculty member will sign a Resolution/Appeal form and forward the completed waiver (including the sanction imposed) to the student judicial officer for recording in the confidential disciplinary file of the student. The instructor will then implement the sanction.

If the student fails to respond within five (5) university instruction days, the instructor will send another copy of the written notification to the student by certified mail, return receipt requested to the most current address the student has on file with the Records and Registration Office. Failure of the student to respond within five (5) days following receipt of the written notification by certified mail, shall be interpreted as an admission of responsibility and acceptance of the instructor’s proposed sanctions. If a student fails to respond within five (5) university instruction days after receipt of the written notification by certified mail the instructor shall impose the sanctions and forward a copy of the appropriately completed Resolution/Appeal form to the student judicial officer.

The student may exercise the right to appeal. In the event of student appeal, the instructor and the student complete and sign the Resolution/Appeal form and forward a copy to the dean of graduate and undergraduate studies or designee who then appoints an arbitrator to review the charges as in the external resolution process and the process will follow the external resolution hearing steps.

External Resolution
The instructor may elect to pursue charges of a violation of academic integrity against a student through the External Resolution process. This process provides an arbitrator, appointed from the university at-large, to review the relevant facts and to take statements from the instructor and the student. By referring charges for External Resolution, the instructor implicitly agrees to accept the findings of the arbitrator and the sanction determined by the arbitrator. Where possible the arbitrator shall be guided by sanctions as detailed in the instructor’s syllabus.

Initial Notification: The instructor informs the student in initiating a violation of academic integrity charge as outlined above that the charge will be heard through external resolution process. This notification is forwarded to the dean of graduate and undergraduate studies as appropriate within five (5) university instruction days of establishing that grounds exist that an infractions of the academic integrity code exists.

Appointment of Arbitrator: Within five (5) university instruction days of receipt of the notification from the instructor, the dean of graduate and undergraduate studies appoints an arbitrator from among qualified candidates (see definition of arbitrator) and notifies the student of an initial hearing in writing.

Initial Hearing: Within five (5) university instruction days of receipt of the notification from the instructor, the dean of graduate and undergraduate studies or designee informs the student of the process as outlined in this policy, reviews the charges in the initial notification, informs the student of the sanction recommended by the instructor and of the range of sanctions that could be imposed by the arbitrator, apprises the student of the right to appeal and potential consequences of appeal. The dean of graduate and undergraduate studies or designee ascertains that the student understands the process and the charges and documents the initial hearing.

Student failure to respond to notice of initial hearing: If the student fails to respond within five (5) university instruction days, the dean of graduate and undergraduate studies will send another copy of the written notification to the student by certified mail, return receipt requested to the most current address the student has on file with the Records and Registration Office. Failure of the student to respond within five (5) days following receipt of the written notification by certified mail, shall be interpreted as an admission of responsibility and acceptance of the instructor’s original proposed sanctions. If a student fails to respond within five (5) university instruction days after receipt of the written notification by certified mail, the dean of graduate and undergraduate studies informs the instructor of this failure to respond so that the instructor may impose the sanction proposed initially.

Arbitrator Review: After the appointment of the arbitrator, the student may respond to the charges in a written statement submitted to the arbitrator. The student may also include any relevant written documentation, third party statements, or evidence deemed relevant to the student’s interests. The arbitrator primarily reviews written evidence. The arbitrator may consult with the instructor, the student or others as the arbitrator deems appropriate to discovering the facts of the matter or to determining the nature of the alleged violation of academic integrity. The arbitrator shall conclude the review and issue a decision within ten (10) university instruction days after his/her appointment unless the faculty member and student both agree to extend the time line. All evidence collected in this process must be made available to the student and/or faculty member upon request.

Arbitrator Decision: after completing a review of the charges and relevant evidence, the arbitrator notifies the dean of graduate and undergraduate studies or designee who in turn notifies the instructor, student and student judicial officer of the arbitrator’s decision and of the sanctions, if any, to be imposed.

Appeal Rights
If the arbitrator hears the case after the student declined direct resolution, the arbitrator’s decision constitutes an appeal of the instructor’s initial sanction. This appeal is unqualifiedly available to any student dissatisfied with the instructor’s proposed sanction under direct resolution. In this situation the first level arbitrator’s decision is final and no further appeal is available. The first level arbitrator’s decision is communicated to the student judicial officer for implementation and recording in the student’s confidential disciplinary record.

If the first level arbitrator hears the case as the result of the instructor’s selection of external resolution, the first level arbitrator’s decision is considered an initial decision and may be appealed. An appeal of that decision will be heard only if at least one of the following criteria is met: 1. evidence is provided that the penalty imposed by the first level arbitrator is disproportionate to the offense; 2. evidence is provided that the first level arbitrator’s decision was arrived at through a violation or misapplication of specified procedures; 3. substantial evidence is provided that the first level arbitrator’s decision was unreasonable or arbitrary; and/or 4. new evidence has emerged that, had it been available at the time of the first level arbitrator’s decision, might reasonably be expected to have affected that decision.
The student may request an appeal of the decision of the first level arbitrator by submitting a request for an appeal to the dean of graduate and undergraduate studies or designee within three (3) university instruction days of receipt of the notification of the arbitrator’s decision. Upon receipt of the student’s request for an appeal, the dean of graduate and undergraduate studies or designee makes an initial determination whether at least one of the four (4) criteria listed in the paragraph above may have been met. If the dean of graduate and undergraduate studies or designee determines that an appeal is justified, he or she appoints a second level arbitrator within five (5) university instruction days of the receipt of the request for an appeal. The second level arbitrator reviews the written record and any additional or new documentation submitted by the student in requesting the appeal. The decision of the second level arbitrator is to be made within ten (10) university instruction days of his/her appointment and is a final ruling. It is transmitted to the dean of graduate and undergraduate studies who then forwards the decision to the instructor, the student and the student judicial officer for implementation and recording.

All evidence collected in this process must be made available to the student and/or instructor upon request.

Repeat Violations
The purpose of recording charges and sanctions in the student’s disciplinary record is to determine patterns of behavior. Repeat violations of academic integrity may result in more severe sanctions imposed by the instructor or arbitrator. The dean of graduate and undergraduate studies or designee is considered to have a need to know of prior academic integrity violations and may request such information from the student judicial officer prior to making or transmitting a decision on a pending charge.

Three sanctioned instances of a violation of academic integrity during a student’s enrollment at Eastern Washington University will constitute grounds for an immediate sanction of dismissal from the university. Such action will be taken by the president or the president’s designated disciplinary officer upon notification of three sanctions by the student judicial officer.

Course Withdrawal Suspended During Hearings
A student officially notified of charges of a violation of academic integrity may not withdraw from the course until the determination of responsibility is made and any sanctions are imposed. A sanction for a violation of academic integrity that affects the course grade will be applied. The student may not avoid the imposition of a sanction by withdrawing from a course. If the student is found not responsible for actions violating the Academic Integrity Policy, the student will be permitted to withdraw from the course with a grade of W and with no financial penalty, regardless of the deadline for official withdrawal.

Continuation in Course Pending Final Decision
A student may continue to attend and perform all expected functions within a course (e.g., take tests, submit papers, participate in discussions and labs) while a charge of a violation of academic integrity is under review, even if the instructor recommendation is a failing grade in the course, suspension or dismissal. Full status as an enrollee in a course may continue until a sanction is imposed. Final imposition of a sanction of a failing grade in a course will result in the immediate suspension of attendance in that class by the student.

Student Directory Information
Certain categories of student information are considered open or directory-type data and may be released to the public if the student is enrolled at the university at the time of request. These categories include name, addresses, telephone number, major field of study, participation in officially recognized activities and sports, dates of attendance, degrees and awards received and the most recent previous educational agency or institution attended.

All other information regarding a student’s record or attendance is restricted and may not be released to a third party without the student’s written permission except as allowed under the Family Educational Rights and Privacy Act of 1974. Examples of restricted information are a student’s course enrollment, the number of credits earned and any grade-related information. This policy is in compliance with federal rules and regulations and is intended to protect each student’s privacy and security. See WAC 172–190 in the appendices in the back of this catalog.

Specific details of the Family Educational Rights and Privacy Act of 1974 are available in the Records and Registration Office, 201 Sutton Hall. Also see Appendix B of this catalog.

Special Note: Students may request that directory information not be released to the public. A directory restriction can be requested in person at the Records and Registration office, 201 Sutton Hall or Riverpoint Student Services, N. 668 Riverpoint Blvd., Room 101. Students who request a directory restriction will not be sent general non-educational information from the university. University notice of Dean’s List to local papers and to the National Dean’s List will not be made for students with restrictions. For more information on the directory restriction, see the information in WAC 172–190 below and check with Records and Registration, 201 Sutton Hall, 509.359.2321 or Riverpoint Student Services, 509.828.1394.

CREDITS
One quarter hour of credit is assigned in the following ratio of hours per week devoted to the course of study:

- lecture/discussion: one hour in the classroom per week for each credit hour (two hours outside preparation expected);
- studio (art classes): minimum two hours in the classroom per week for each credit hour (one hour of outside preparation expected per credit hour);
- laboratory: minimum two hours in the lab per week for each credit hour (one hour of outside preparation expected per credit hour).
- Ensemble (music classes): minimum two hours per week for each credit hour (one hour of outside preparation expected per credit hour);
- independent study: minimum three hours of work per week for each credit hour.
- the proportion of time in each course assigned to lecture, studio, laboratory, independent study or ensemble is recommended by faculty of the department offering the course.
- the term quarter hour corresponds with credit, hour or credit hour.

FINAL EXAMS
- Final examinations are scheduled for specific dates and times at the end of each quarter. The examination schedule is published in the university’s quarterly announcement. Final comprehensive examinations should not be given during the regular 10-week schedule.
- Students shall not be granted special examinations for any reason other than a family emergency or other bona fide hardship. Course instructors are the final authority in such circumstances.
- Students that have two final examinations scheduled concurrently by the university must contact one or all instructors involved and ask them to resolve the situation and find a suitable solution.
**GRADE APPEALS**

Except for X and Y, all grades are final and can be changed only in the case of university (instructor, clerical or administrative) error. Such corrections must be submitted by the instructor and approved by the department chair and college dean. Requests for grade corrections must be submitted to the Records and Registration Office within two quarters of the initial grade assignment.

Students have the option of appealing a grade they believe is unfair. To appeal, an Intent to Appeal a Grade or an Official Grade Appeal form must be submitted within the times specified below, or the right to appeal is forfeited. Reasonable exceptions to these deadlines may be made by the chair or designee.

**The order of appeal is as follows.**

1. File a notice of Intent to Appeal a Grade form within 10 working days after instruction begins for the next regular quarter. These forms are available on request in the department office, the Records and Registration Office or EWU Spokane, Riverpoint, Student Support Center and are submitted to the chair of the department concerned.

2. Discuss the conflict regarding the grade in a timely manner with the instructor concerned. If the discussion between the instructor and student does not lead to a resolution of the conflict and the student wishes to continue the appeal process, the student must confer with the chair or a designee regarding the proposed appeal. If the conflict is not resolved at this level, the chair or designee must provide a written explanation to the student within five working days. If the written explanation is not provided or if the student is not satisfied with this explanation, he/she may make an official grade appeal.

3. The Official Grade Appeal form must be filed in writing with the chair of the department concerned, normally no later than 30 working days after instruction begins for the next regular quarter. These forms are available on request in the department office, the Records and Registration Office or EWU Spokane, Riverpoint, Student Support Center.

4. The grade appeal is heard by a grade appeals board which is to be convened no later than 20 working days after submission of the official grade appeal. (The date may be extended if mutually agreed upon by both parties.) This board is chaired by the department chair or a designee who serves in a nonvoting capacity. Selection of members is facilitated by the department chair or designee unless there is an obvious conflict of interest decided by the dean, in which case the dean or a designee shall do so.

5. Three people will constitute the grade appeals board. The student petitioner shall first nominate a member and then the faculty shall nominate a member. A third member mutually agreeable to both parties will then be selected. At least one of the three members must be a student. The appeal board must be held at a mutually agreeable time.

**PARTIES TO THE DISPUTE**

Parties to the dispute must make a good faith effort to follow these steps or forfeit access to the appeal process.

If the student, faculty or chair has legitimate concerns about the appeal process, the dean of the college will work to alleviate or correct the problems. The appeal board does not have subpoena power and every attempt will be made to be fair to both parties. The parties may offer exhibits and/or witnesses. The principals may not be represented by counsel or others and the student appellant has the burden of proving by a preponderance of the evidence (more probable than not), that such inappropriate grading procedures have occurred.

Within 10 working days of first convening the appeal board, through its chair, will submit its recommendation in writing to the faculty member concerned, with a copy to the appellant and the dean of the college.

Decisions recommended by the grade appeal board are advisory only. The final decision to change a grade lies with the instructor, except in cases where the instructor cannot or does not respond to the appeal board’s recommendation or in cases where the appeal board’s findings determine prejudiced or other inappropriate grading practices by the instructor. In these cases the final decision to change the grade lies with the dean. There is no further right of appeal.

Within 45 days of the final decision involving a recommended grade change, the chair of the appeal board shall notify in writing the appellant, the dean of the college and the chair of the department concerned of the decision of the appeal board and the faculty member’s decision and action. When the final decision is made by the dean in the cases noted above, the dean shall implement the decision and shall make the proper written notification to the parties concerned.

**GRADING SYSTEM**

**Grade Reports**

At the end of each quarter, grades are available through EagleNET at eaglenet.ewu.edu, starting the Wednesday after finals. The report includes current institutional, transfer and all college cumulative GPA.

**Letter Grades Symbols in use at Eastern**

- **NC (No Credit)**: No credit granted, no grade points assigned
- **NR**: Not recorded, for work in progress
- **P (passing)**: Credit granted, but no grade point assigned (not used when computing GPA)
- **W (withdrawal)**: Withdrawal from a course or the university (not used when computing GPA)
- **X (incomplete)**: Temporary grade; special circumstances prevent the student from completing the course (not used when computing GPA)
- **Y**: For thesis, research, practicum and other activities requiring more than one quarter for completion; grade assigned at completion

**LETTER GRADES DESCRIBED IN DETAIL**

**Undergraduate Pass/No Credit (P/NC) Grade Option**

(Department or Program Designated)

Departments or programs may choose to designate certain courses for pass/no credit grading. Regulations for pass/no credit grading are as follows:

1. the only courses which may be designated by the department as pass/no credit are non-college credit pre-university basic skills;
2. a grade ≥2.0 must be earned to receive a passing grade;
3. the P or NC grade will be entered on the transcript. Students receiving the P grade will not receive credits toward graduation. Neither the P nor the NC grade will be included in computing grade averages.
Undergraduate Pass/Fail Grade Option
(Deartment or Program Designated)
Departments or programs may choose to designate only certain types of courses for pass/fail grading.

Regulations for pass/fail grading are as follows:
1. Courses required for the following categories may not be designated pass/fail:
   - major and minor requirements
   - professional education requirements
   - general education core requirements
   required supporting courses
   (courses required for the major or minor but not taught by the major or minor department) except as approved by the Undergraduate Affairs Council

The types of courses which may be designated as pass/fail are:
2. Directed Studies
3. Seminars
4. Internships
5. Workshops
6. Practica;
   • a grade ≥2.0 must be earned to receive a passing grade;
   • A grade will not be calculated in the GPA, but will serve as credits toward graduation, except for non-college credit courses.
   • A fail (0.0) grade will be calculated in the GPA.

Undergraduate Pass/No Credit Grade Option (Student Designated)
Students may choose the pass/no credit grading option in certain courses during the registration process.

Regulations for pass/no credit grading are as follows:
At the time of registration, students must designate the courses for which they wish to receive a pass/no credit grade. They may change this designation by the regular change of registration procedure through the seventh week of the quarter.

5. Courses required for the following categories may not be taken pass/no credit:
   - major and minor requirements
   - professional education requirements
   - general education core requirements
   required supporting courses
   (courses required for the major or minor but not taught by the major or minor department)

6. The minimum level of performance required to receive a grade of P is a 2.0. Students should be aware that performance equal to a grade between 0.7 and 1.9 will not result in a passing mark.
7. The P or NC grade will be entered on the transcript. Students receiving the P grade will receive credits toward graduation. Neither the P nor the NC grade will be included in computing GPAs.

Incomplete (X)
Special circumstances, such as severe illness or death of a family member, may warrant an incomplete or X grade. An X grade may be assigned when the student is passing the course but is unable to complete all course requirements. Incomplete grades are only assigned to students who have been attending the class and performed all necessary work up until the last three weeks of the quarter during the academic year or until the last two weeks of summer session.

Faculty assignment of an X grade requires:
• a meeting with the student to make them aware of the specific terms you are assigning for the completion of work and what the grade will convert to if they do not submit the work in the assigned time frame;
• recording the conversion grade if the student does not complete the work (may be a 0.0);
• recording the extension date for the grade to automatically convert if the work is not completed (end of one quarter, two quarters, three quarters or a full year. The extension date must be prior to the last day of instruction for the quarter indicated.) Incompletes need to be completed within one year of the registered term.

Ongoing Thesis or Research Work (Y)
Students engaged in lengthy research projects or other courses that may extend for more than one quarter can be given a grade of Y until the project is complete and a final grade is assigned. Normally these courses are graduate research projects, theses, or internships.

Note: see the specific information on Y grades in the policy section in the front of this catalog under Graduate Studies.

Numerical Grades
Most courses at Eastern are graded numerically to the nearest tenth. A guide for equivalents are: Numeric Grade-Letter Grade Equivalent.

Numerical Grades and Cumulative GPA
Instructions to Compute Cumulative GPA
1. Multiply numerical grade by the number of credits assigned for each course to determine the quality points for each course. Add the total number of quality points (QP).
(Pass/No Credit grades are not computed in the GPA.)
2. Add the total number of numerically graded credits, for the total number of quality hours (QH).
3. Divide the total number of quality points by the total number of quality hours for the cumulative GPA.

<table>
<thead>
<tr>
<th>Grades</th>
<th>Credits (QH)</th>
<th>Quality Points (QP)</th>
</tr>
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<tbody>
<tr>
<td>3.0</td>
<td>× 4</td>
<td>= 12</td>
</tr>
<tr>
<td>2.3</td>
<td>× 5</td>
<td>= 11.5</td>
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<tr>
<td>4.0</td>
<td>× 2</td>
<td>= 8</td>
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<tr>
<td>Total</td>
<td>Credits =</td>
<td>31.5 (QP) = Total Quality Points</td>
</tr>
<tr>
<td>31.5 (QP) / 11 (QH) = 2.863 Cumulative GPA</td>
<td></td>
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</tr>
</tbody>
</table>
POLICIES

RESIDENCY

Residency is determined at the time of formal admission to the university on the basis of information included in the university application for admission. Determination of residency is governed by the statutes and policies of the state of Washington. In general, to qualify for residency, a student must:

- have established a formal residence in Washington for other than educational purposes for at least 12 consecutive months prior to the first day of the quarter for which residency status is requested
- be a dependent student whose parent(s) or legal guardian(s) have maintained a bona fide residence in Washington 12 consecutive months prior to the first day of the quarter.

A student does not lose residency status because of service in another state or country while a member of the civil or military service, if that person maintains ties and returns to Washington within one year of discharge with intent of maintaining a residence in the state. However, maintaining residency ties in a former or other state (for example by keeping a driver’s license) may invalidate claims to Washington residency.

For more information see Appendix C of this catalog, go to the EWU Residency website at www.ewu.edu/residency or call the Residency Officer for the university at: 509.359.6586.

WASHINGTON STATE ADDRESS CONFIDENTIALITY PROGRAM

PO Box 257 Olympia, WA 98507-0257

This program, administered by the Office of the Secretary of State, provides address confidentiality to relocated victims of domestic violence. If you qualify as a participant, the program allows you to use a substitute mailing address with mail forwarding and service assistance.

WITHDRAWAL FROM THE UNIVERSITY

Please see the information on schedule changes under Records and Registration in the student services section of this catalog.
## Board of Trustees

Mr. Michael Finley  
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Ms. Jo Ann Kaufman  
Honorable James Murphy  
Mr. Frank Navarro  
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Mr. Paul Tanaka  
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## The Four Colleges of Eastern Washington University

### Full-Time Faculty

The following list reflects the status of the Eastern Washington University faculty as of July, 2014. The date following each name is the academic year the faculty member was first hired by the university and does not necessarily imply continuous service since that time.

<table>
<thead>
<tr>
<th>Name</th>
<th>Position</th>
<th>Title</th>
<th>Institution(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Abbey, Eric</td>
<td>Assistant Professor in Chemistry</td>
<td>BA, Whitman College; MS, PhD, University of Oregon</td>
<td></td>
</tr>
<tr>
<td>Adler, Diane</td>
<td>Senior Lecturer in English</td>
<td>BAL, Whitworth University; MEd, Western Washington University</td>
<td></td>
</tr>
<tr>
<td>Adolphson, Keith V.</td>
<td>Associate Professor of Mathematics</td>
<td>BA, Gustavus Adolphus College; MA, MS, Naval Postgraduate School; PhD, University of Oklahoma</td>
<td></td>
</tr>
<tr>
<td>Agriss, Sean W.</td>
<td>Assistant Professor in English</td>
<td>BA, Indiana University of Pennsylvania; MA, St. Johns College</td>
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<tr>
<td>Alden, Janine</td>
<td>Senior Lecturer in English</td>
<td>BA, Georgetown University; MA, California State University</td>
<td></td>
</tr>
<tr>
<td>Aleccia, Vincent A.</td>
<td>Associate Professor of Education</td>
<td>BA, California State University, Fullerton; MA, University of San Francisco; EdD, George Fox University</td>
<td></td>
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<tr>
<td>Althoul, Saeq Qureshi B.</td>
<td>Lecturer in Engineering and Design</td>
<td>PhD, Anglia Ruskin University</td>
<td></td>
</tr>
<tr>
<td>Almeida, Deidre A.</td>
<td>Director of American Indian Studies and Associate Professor of American Indian Studies</td>
<td>BA, EdD, University of Massachusetts; MA, Stanford University</td>
<td></td>
</tr>
<tr>
<td>Alvin, Barbara</td>
<td>Professor of Mathematics</td>
<td>BA, MS, Miami University; PhD, University of Washington</td>
<td></td>
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<tr>
<td>Anderson, Dennis W.</td>
<td>Senior Lecturer in Psychology</td>
<td>BA, Gonzaga University; MS, Eastern Washington University</td>
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<tr>
<td>Anderson, Jonathan W.</td>
<td>Associate Professor of Psychology</td>
<td>BA, PhD, Seattle Pacific University</td>
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<tr>
<td>Anderson, Matthew</td>
<td>Assistant Professor of Human Geography</td>
<td>BA, University of Illinois at Urbana-Champaign</td>
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<tr>
<td>Andrews, Marge E.</td>
<td>Senior Lecturer in Spanish</td>
<td>BA, University of Connecticut; MA, Southern Methodist University</td>
<td></td>
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<tr>
<td>Anton, Daniel C.</td>
<td>Associate Professor of Physical Therapy</td>
<td>BA, University of Massachusetts; MA, Samuel Merritt University; PhD, University of Iowa</td>
<td></td>
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<tr>
<td>Askman, Tom K.</td>
<td>Professor of Art</td>
<td>BA, MS, California College of Arts and Crafts; MFA, University of Colorado</td>
<td></td>
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<tr>
<td>Asthana, Vedana</td>
<td>Associate Professor of Government</td>
<td>BA, MA, PhD, University of Kanpur, India</td>
<td></td>
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<tr>
<td>Astudillo CPT, Von P.</td>
<td>Assistant Professor of Military Science</td>
<td>BA, University of Maryland; MA, Webster University</td>
<td></td>
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<tr>
<td>Babcock, Garth</td>
<td>Associate Professor of Physical Education, Health and Recreation</td>
<td>BS, MS, Brigham Young University; PhD, Texas Women's University</td>
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<tr>
<td>Babvak, SFC Brandon D.</td>
<td>Lecturer in Military Science</td>
<td>BS, Excelsior College</td>
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<tr>
<td>Bachmeier, Susan</td>
<td>Lecturer in Education</td>
<td>BA, Whitworth University; MEd, Converse College</td>
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<tr>
<td>Baldwin, Kathry</td>
<td>Assistant Professor of Foundations and Elementary Science Education</td>
<td>BS, MS, EdD, Washington State University</td>
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<td>Band, Deacon</td>
<td>Lecturer in Engineering and Design</td>
<td>BS, Eastern Washington University</td>
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<tr>
<td>Barnes, Pamela J.</td>
<td>Senior Lecturer in Psychology</td>
<td>BA, University of San Diego; MS, Eastern Washington University</td>
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<tr>
<td>Bartlett, Robert L.</td>
<td>Lecturer in the African Education Program</td>
<td>BA, Colorado Mesa University; MA, Washington State University; PhD, Gonzaga University</td>
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<tr>
<td>Basham, D. Alan</td>
<td>Senior Lecturer in Counseling</td>
<td>BA, Eastern Washington University</td>
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<tr>
<td>Bazemore, Georgia B.</td>
<td>Professor of Social Work</td>
<td>BA, Emory University; MA, PhD, University of Chicago</td>
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<tr>
<td>Beecher, Blake</td>
<td>Associate Professor of Social Work</td>
<td>BSW, Weber State University; MSW, University of Nevada, Reno; PhD, University of Utah</td>
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<tr>
<td>Bell, Kerryn E.</td>
<td>Assistant Professor of Criminal Justice</td>
<td>BA, John Carrol University; MPhil, Cambridge University; MA, PhD, Ohio State University</td>
<td></td>
</tr>
<tr>
<td>Bhuta, Prakash H.</td>
<td>Professor of Biology</td>
<td>B.Sc., University of Bombay, Bombay, India; DPhil, Bombay College of Pharmacy; MSc, University of Baroda, Baroda, India; PhD, University of Louisiana</td>
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<tr>
<td>Biggerstaff, Rick</td>
<td>Lecturer in Mathematics</td>
<td>BA, MS, Eastern Washington University</td>
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<tr>
<td>Bigler, Daniel E.</td>
<td>Lecturer in Sociology</td>
<td>BA, Kings College London</td>
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<tr>
<td>Bilich, Lisa A.</td>
<td>Associate Professor of Dental Hygiene</td>
<td>BS, Eastern Washington University; MEd, University of Idaho</td>
<td></td>
</tr>
<tr>
<td>Bilous, Peter T.</td>
<td>Associate Professor of Chemistry/ Biochemistry</td>
<td>B.Sc., MSc., University of Manitoba; PhD, McGill University</td>
<td></td>
</tr>
</tbody>
</table>
Binney, Matthew W.—2006, Associate Professor of English—BA, MA, University of Alabama; Birmingham; PhD, Auburn University

Birch, Nancy J.—1988, Professor of Decision Science—BS, University of Arizona; MBA, PhD, Arizona State University

Biwas, Bipasha—2012, Assistant Professor of Social Work—PhD, Washington University in St. Louis

Bjerke, Joy—2012, Lecturer in Mathematics—BA, California State University; EdD, University of La Verne

Black, A. Ross—1993, Professor of Biology—BS, University of Washington; MS, PhD, University of Wisconsin—Madison

Blair, Louis F.—2007, Lecturer in Mathematics—BA, Massachusetts Institute of Technology; MS, University of Illinois; PhD, Carnegie Mellon University

Bodeau, Joyce—2013, Lecturer in Education—BA, Pacific Lutheran University; BAE, Seattle Pacific University; MEd, Eastern Washington University

Booth, Christina M.—2012, Lecturer in Education—BA, University of West Florida; MEd, Lesley University

Boughter, Stephanie—2013, Lecturer in Education—BA, Eastern Washington University; MEd, University of Idaho

Bowland, Sharon—2013, Associate Professor of Social Work - BSW, MSW, University of Illinois—Chicago; MA, Loyola University - Chicago; PhD, Washington University

Boyd, Adam—2013, Lecturer in Theatre and Film—BA, Eastern Washington University

Breen, Melinda E.—2000, Associate Professor of Engineering and Design—BA, University of Notre Dame; MA, Eastern Washington University; MFA, University of Idaho

Breuer, Christi—2013, Assistant Professor of Physical Education, Health and Recreation—BS, MS, PhD, University of Mississippi

Briggs, Lynn—1994, Professor of English—BA, MA, St. Bonaventure University; PhD, Syracuse University

Brooks, Kerry—2013, Associate Professor of Urban and Regional Planning—BA, Western Washington University; MURP, PhD, University of Washington

Brown, Lu Ann—2002, Senior Lecturer in Social Work—BA, University of Northern Iowa; MSW, Eastern Washington University

Brown, Rebecca L.—2004, Associate Professor of Biology—BS, George Washington University; PhD, University of North Carolina

Buccherro, Justin R.—2011 Assistant Professor of Economics—BS, SUNY College of Plattsburgh; MBA, Clarkson University; MA, PhD, University of Colorado Boulder

Buchanan, John P.—1984, Professor of Geology—BS, Southern Illinois University; MS, PhD, Colorado State University

Buckingham, Polly—2001, Senior Lecturer in English—BA, Eckerd College; MFA, Eastern Washington University

Bunting, David C.—1971, Professor of Economics—BS, MA, Ohio State University; MS, University of Wisconsin; PhD, University of Oregon

Burgis, Nicholas E.—2007, Associate Professor of Chemistry/Biochemistry—BS., Wayne State University; PhD., State University of New York, Albany

Burwash, Susan C.—2012, Assistant Professor of Occupational Therapy—BA, MS, PhD, University of Alberta

Byrnes, Edward C.—2003, Associate Professor of Social Work—BS, MSW, PhD, University of Utah

C

Cai, Wensheng—2013, Lecturer in Management—MBA, Gonzaga University

Canada, Daniel L.—2003, Professor of Mathematics—BS, Biola University; MS, Western Washington University; PhD, Portland State University

Capaul, Thomas B.—2000, Senior Lecturer in Computer Science—BA, MS, Eastern Washington University

Carlberg, Karen A.—1983, Professor of Biology—BS, University of Washington; MS, PhD, University of New Mexico

Carnegie, Teena A. M.—2003, Professor of English—BA, University of British Columbia; MA, PhD, University of Waterloo

Case, Judd A.—2006, Dean, College of Science, Health and Engineering and Professor of Biology—BS, MS, Humboldt State University; PhD, University of California, Riverside

Castillo, Andrea R.—2008, Assistant Professor of Biology—BS, Albertson College of Idaho; PhD, University of Colorado

Castillo-Garsow, Carlos—2013, Assistant Professor of Mathematics—BS, Cornell University; MA, State University of New York—Buffalo; PhD, Arizona State University

Cebula, Larry—2008, Associate Professor of History—BA, University of Chicago; MA, Eastern Washington University; PhD, College of William and Mary

Chaffin, Jamie L.—2012, Lecturer in Psychology—BA, University of Montana; MEd, EdD, University of Idaho

Chantrill, Patricia—1999, Associate Professor of Communication Studies—BA, MA, Idaho State University; PhD, Washington State University

Chase, Matthew R.—2000, Professor of Physical Education, Health and Recreation—BS, Oregon State University; MS, University of Oregon; PhD, Gonzaga University

Chatellier, Megan S.—2011, Lecturer in Physical Therapy—BA, Pacific Lutheran University; DPT, Eastern Washington University

Cindric, Christopher P.—2006, Senior Lecturer in Physical Education, Health and Recreation—BA, Radford University; MA, University of Colorado, Denver

Clark, R. William—1987, Professor of Computer Science—BS, Marietta College; MS, Washington State University; PhD, University of Washington

Cleanthous, Charalambos C.—2007, Associate Professor of Counseling, Educational and Developmental Psychology—BA, Sterling College; MS, Fort Hays State University; PhD, University of Kansas

Clay, Kimberly K.—2006, Professor of Physical Therapy—BA, University of California, Santa Barbara; MPT, Chapman University; PhD, Idaho State University

Cleveland, Ledi H.—2007, Assistant Professor of Communication Disorders—BA, Emory University; MA, PhD, Louisiana State University

Clute, Mary Ann—2000, Associate Professor of Social Work—BA, Washington State University; BA, MSW, Eastern Washington University; PhD, Case Western Reserve University

Coelho, Alan J.—1992, Professor of Physical Education, Health and Recreation—BA, MA, California State University, Fresno; EdD, University of Northern Colorado

Collins, John—2013, Lecturer in History—BA, Northwestern University; MA, University of Cambridge; PhD, University of Virginia

Conlin, Michael F.—2000, Associate Professor of History—BA, Miami University; MA, PhD, University of Illinois, Urbana—Champaign

Coomes, Jacqueline R.—2005, Associate Professor of Mathematics—BS, University of California, Davis; MS, Eastern Washington University; PhD, Washington State University

Cooney, Vance—1999, Associate Professor of Management Information Systems—BA, Eastern Washington University; PhD, University of Arizona

Corkill, Jeffrey A.—1981, Professor of Chemistry/ Biochemistry—BA, MA, University of Cambridge, Churchill College; MS, University of Washington; PhD, Exeter University

Couraud, Thomas K.—2005, Senior Lecturer in Engineering and Design—BA, MS, Eastern Washington University

Coyle, Jimmie L.—2000, Senior Lecturer in English—BA, MA, Eastern Washington University

Creasman, Grace—2010, Senior Lecturer in Social Work—BA, MEd, MSW, Eastern Washington University

Crofoot, Thomas L.—2004, Associate Professor of Social Work—BA, The Evergreen State College; MSW, Portland State University; PhD, University of Washington

Cullen, Kelley L.—2007, Assistant Professor of Economics—BS, MS, MA, Eastern Michigan University; PhD, Washington State University

Culver, Jeffrey N.—2009, Lecturer in Accounting and Information Systems—BA, MBA, Eastern Washington University

Cutler, Cynthia M.—1981, Professor of Integrative Studies—BS, Eastern Washington University; MS, University of Washington; PhD, Gonzaga University

D

Daberkow, David P.—2010, Assistant Professor in Biology—BS, Southeastern Louisiana University; MS, Utah State University; PhD, University of Utah

Dalla, Ronald H.—1970, Vice Provost Graduate Education, Research, Academic Planning and Evaluation, Professor of Mathematics—BA, Fort Lewis College; MEd, Washington State University; MS, PhD, University of Wyoming

Das, Arindam K.—2012, Lecturer in Engineering and Design—MS, PhD, University of Washington
Davies, Larry—2010, Lecturer of Management—BA, University of Texas at Austin; MEd, University of Texas at Austin

Davies, Shanna—2013, Assistant Professor of Psychology—PhD, University of Oregon

Dean, Robert D.—2001, Associate Professor of History—BA, University of Colorado; MA, PhD, University of Arizona

Dempsey, Raymond—2013, Lecturer in Mathematics—BS, MS, University of Wisconsin—Green Bay

Decker, Kevin S.—2005, Associate Professor of Philosophy—BA, McKendree College; MA, University of Missouri, St. Louis; PhD, St. Louis University

Denton, Travis T.—2007, Assistant Professor of Chemistry/Biochemistry—BS, Central Washington University; PhD, University of Montana

DiMarco, Arthur C.—2002, Director, RIDE Program, Professor of Dental Hygiene—BS, Dickinson College; D.M.D., Medical University of South Carolina

Djatej, Arsen—2010, Associate Professor of Accounting—BA, Moscow State University of International Relations; MA, Moscow State University of International Relations; MS, Boise State University; MBA, Boise State University; PhD, Ohio University

Dohrn, Gregg R.—2011, Lecturer—BA, University of Puget Sound; MURP, Portland State University

Donnerberg, Jeffrey L.—1990, Associate Professor in Management—BA, Ashbury College; MA, California State University; PhD, Washington State University

Dowd, Diane S.—1995, Professor of Psychology—BA, University of South Carolina; MS, University of South Carolina; PhD, University of South Carolina

Duchatelet, Martine—2012, Dean, College of Business and Public Information and Executive Affairs and Provost and Professor of Urban Planning, Public and Health Administration—BA, California State University, Chico; PhD, University of Utah

Eager, Wendy M.—1998, Senior Lecturer in Mathematics—BA, University of Wisconsin—Green Bay

Eager, David M.—1989, Associate Professor of Finance—BA, University of Montana; MA, PhD, University of Minnesota

Edquist, Kristin—2003, Associate Professor of Government—BA, University of Puget Sound; MA, PhD, University of Washington

Ekundayo, Olugbemiga—2014, Associate Professor of Public Health—MBBS, University of Ibadan College of Medicine; MD, United States Educational Commission for Foreign Medical Graduates; MPH, DPH, Morgan State University

El—Alayli, Amani—2013, Professor of Psychology—BA, University of Michigan; MA, PhD, Michigan State University

Elder, Dana C.—1983, Director, University Honors Program and Professor of English—BA, MA, University of Washington; PhD, Washington State University.

Elias, M. Veronica—2011, Assistant Professor of Public Administration; BS, Universidad Nacional del Sur; MA, PhD., University of Akron

Elovich, Jane E.—2006, Associate Professor of Music—BM, BM, Cleveland Institute of Music; DMA, PhD, The Ohio State University

Evans, Kelly J.—2012, Assistant Professor—BA, Virginia Wesleyan College; MLS, Indiana University, Bloomington

Ewing, Christopher C.—2012, Assistant Professor—BS, Abilene Christian University; MLS, The University of Texas at Austin

Fan, Xiaohong—2011, Assistant Professor of Accounting—Bachelor’s of Management, Zhejiang Gongshang University; Masters in Management, Changchun Taxation Institute; PhD, University of Texas, Arlington

Fawson, Peter R.—2012, Assistant Professor of Social Work—BA, MA, PhD, University of Utah

Feeney, Kendall—1995, Senior Lecturer in Music—BM, MM, University of Southern California

Fillmore, Bradley J.—2008, Lecturer in Biology—BS, Brigham Young University; MS, Idaho State University

Finnic, Scott M.—2002, Professor of Africana Education Program—MA, Eastern Washington University; BA, PhD, Gonzaga University

Fletcher, Taryn—2013, Lecturer in Accounting and Information Systems—BAE, Teaching Certification, Eastern Washington University

Flinn, Anthony M.—1991, Professor of English—BA, Grinnell College; MA, PhD, University of Washington

Folsom, Michael M.—1970, Professor of Geography—BS, Portland State University; MA, PhD, Michigan State University

Frenk, Anthony—2013, Lecturer in Mathematics—BA, MS, Eastern Washington University

Friesen, Daniel—2014, Visiting Assistant Professor in Management—BA, MBA, University of Windsor; PhD, Wayne State University

Fuller, Donald R.—2004, Professor of Communication Disorders—BSE., MSP, Arkansas State University; PhD, Purdue University

Fuller, Rex D.—2006, Vice President for Academic Affairs and Provost and Professor of Urban Planning, Public and Health Administration—BA, California State University, Chico; PhD, University of Utah

G

Gallimore, Courtney L.—2005, Senior Lecturer in Economics—BA, Florida International University; MS, University of Illinois, Urbana—Champaign; PhD, Iowa State University

Galm, Jerry R.—1981, Professor of Anthropology—BA, Michigan State University; MA, PhD, Washington State University

Gamblin, Jack H.—2008, Lecturer in Accounting—BA, MBA Washington State University

Garcia, Jerry—2010, Associate Professor in Chicano Studies Education—BA, MA, Eastern Washington University; PhD, Washington State University

Garcia, Martin M.—2007, Assistant Professor in Chicano Education Studies—BA, Eastern Washington University; MA, PhD, Washington State University

Garcia—Sanchez, Jose Maria—1998, Professor of Spanish—Licenciado, University of Salamanca; MA, PhD, Arizona State University

Garraway, W. Dale—2003, Associate Professor of Mathematics—BS, Simon Fraser University; MS, PhD, Dalhousie University

Gentle, Ronald S.—1990, Professor of Mathematics—BS, University of Toronto; MS, PhD, University of British Columbia

Gerlick, Robert E.—2013, Assistant Professor of Engineering and Design—BS, University of Louisiana—Lafayette; MS, Oklahoma State University; PhD, Washington State University

Gersh, Meryl R.—1986, Professor of Physical Therapy—BS, State University of New York at Buffalo; M.S, Emory University; PhD, Gonzaga University


Goering, David K.—1990, Senior Lecturer in Mathematics—BA, University of Kansas; MS, Eastern Washington University

Goff, Sara E.—2007, Associate Professor of Theatre—BS, Central Washington University; MFA, Western Illinois University


Gomez Giraldo, N. Julian—2008, Assistant Professor of Chicano Education Studies—BA, Eastern Washington University; MS, Eastern Washington University

Goodwin, Donald F.—2009, Lecturer in Music—BA, MS, Eastern Washington University

Gorton, M. David—1999, Senior Lecturer in Accounting—BA, Western Washington University; MBA, Eastern Washington University

Graham, Melissa E.—2004, Senior Lecturer in Mathematics—BA, MS, Eastern Washington University

Graham, Michael C.—2000, Senior Lecturer in Mathematics—BA, MS, Eastern Washington University

Grandos, Patricia L.—2013, Lecturer in the English Language Institute—BA, Indiana University—Bloomington; MA, Eastern Washington University
Graves, Jody C.—2003, Associate Professor of Music/Piano—BM, Eastern Washington University; MM, Catholic University of America; D.M., Eastern School of Music

Green, Paul J.—1981, Professor of Physical Education, Health and Recreation—BA, Eastern Washington University; MA, University of Northern Colorado; EdD, University of Oregon

Greene, Logan D.—2004, Associate Professor of English—BA, University of California, Berkeley; MA, University of Oregon; PhD, University of New Mexico

Greene, Nathaniel D.—2013, Lecturer in Economics—BA, Talladega College; MA, St. Mary’s University

Greene, Roberta J.—2012, Lecturer in Economics—BA, Talladega College; MS, Trinity University; JD, Gonzaga University

Grinder, Brian E.—1992, Professor of Finance—BA, Big Sky Bible College; MA, MBA, Fort Hays State University; PhD, Washington State University

Guilfoyle, Kristina E.—2012, Lecturer in English Language Institute—BA, MA, Eastern Washington University

Guillory, Raphael M.—2002, Professor of Counseling, Educational and Developmental Psychology—BA, Eastern Washington University; MEd, PhD, Washington State University

H

Hahn, Jamie B.—2010, Lecturer in Art—BA, Anderson University; MFA, Alfred University

Hajimorad, Meghdad—2013, Assistant Professor of Engineering and Design—BS, Iowa State University; MS, PhD, University of California, Berkeley

Hammermeister, Jon J.—1999, Professor of Physical Education, Health and Recreation—BA, University of California, San Diego; MS, PhD, University of Idaho

Hancock, Thomas V.—2004, Associate Professor of Biology—BA, Willamette University; BS, MS, Portland State University; PhD, University of Colorado, Boulder

Hansen, Christian K.—1993, Associate Dean, College of Science, Health and Engineering and Professor of Mathematics—MS, PhD, The Technical University of Denmark

Hasan, Syed M. Jamel—1969, Professor of Management—BCommerce, MCommerce, University of Karachi; MBA, University of Southern California

Haskins, Tara L.—2002, Assistant Professor in Education—BA, Northwestern College; MEd, Eastern Washington University; PhD, Washington State University

Hathaway, Nancy—2001, Associate Professor of Art—BA, Eastern Washington University; MFA, University of Idaho

Hauge, Rodger C.—2001, Senior Lecturer in Education—BA, University of California, Santa Barbara; BS, Central Washington University; MS, Eastern Washington University

Hawley, Thomas M.—2003, Associate Professor of Government—BA, Whitman College; MA, PhD, University of Hawaii, Manoa

Haworth, Karen—2013, Lecturer in the English Language Institute—BA, MA, Whitworth University

Hazelbaker, Chadron B.—2006, Assistant Professor of Physical Education, Health and Recreation—BA, Whitworth College; MA, Idaho State University; PhD, Gonzaga University

Headley, James E.—1999, Professor of Government—BA, University of Washington; J.D., Gonzaga University School of Law

Headly, Margaret L.—1999, Associate Professor of French—BA, MA, University of Colorado, Boulder; PhD, University of Massachusetts, Amherst

Hechtman, Todd A.—1999, Associate Professor of Sociology—BA, Northwestern University; MA, PhD, University of California, Santa Barbara

Henderson, Reagen E.—2009, Lecturer in English—BA, University of Washington; MA, Humboldt State University

Herr, Charles M.—1994, Associate Professor of Biology—BS, University of Wyoming; PhD, Washington State University

Heyen, Neil—1995, Senior Lecturer in English as a Second Language—BA, Shimer College; MA, University of Illinois

Hill, Margo L.—2012, Lecturer in Urban and Regional Planning—BA, University of Washington; JD, Gonzaga University

Hilton, Timothy—2013, Associate Professor of Social Work—BA, Boston College; MA, PhD, University of Chicago

Hodgman, Laura L.—2005, Associate Professor of Psychology—BA, University of Wisconsin—Milwaukee; MA, PhD, University of Illinois, Urbana

Hodgson, Matthew J.—2012, Lecturer in English—MA, Portland State University

Holmgren, Mark — 2010, Assistant Professor of Economics—BA, University of Oregon; MS, Eastern Washington University; PhD, University of Washington State

Hope, Keely J.—2011, Assistant Professor of Counseling, Educational & Developmental Psychology—BS, Louisiana State University; MS, University of Florida

Hossain, N.M. Awlad—2008, Associate Professor of Engineering and Design—BS, Bangladesh University of Engineering and Technology; PhD, South Dakota State University and Technology

Houghton, Frank—2014, Associate Professor of Public Health—BA, MA, University of Ulster; MS, Queen's University of Belfast; PhD, National University of Ireland

Houndoungho, Yao A.—2008, Assistant Professor of Chemistry and Biochemistry—BS, MS, University of Abidjan; PhD, University of Kansas, Lawrence

Houser, Brian D.—1990, Professor of Physics—BS, University of Michigan; MS, PhD, University of Washington

Howell, Christopher—1996, Professor of English/Creative Writing—BS, Oregon State University; MA, Portland State University; MFA, University of Massachusetts

Hughes, Natalie J.—2012, Lecturer in Physical Education, Health and Recreation—BS, MS, Eastern Washington University

Hustulid, Ginelle—2013, Assistant Professor of Engineering and Design—BFA, Pacific Northwest College of Art; MFA, Mills College

Huttenmaier, Kathleen—1993, Senior Associate in History and Women's Studies—BA, MA, Eastern Washington University

Hyde, Jenny L.—2013, Assistant Professor of Art—BFA, Cornish College of the Arts; MFA, Alfred University

I

Imamura, Kosuke—2003, Associate Professor of Computer Science—BS, Christopher Newport College; MS, Western Washington University; PhD, University of Idaho

Inoue, Atsushi—2002, Professor of Management Information Systems—BS, MS, Eastern Washington University; PhD, University of Cincinnati

Islam-Zwartz, Kayleen A.—2001, Professor of Psychology—BS, Minnesota State University, Mankato; MS, PhD, Idaho State University

Izon, German M.—2010, Assistant Professor of Economics—BA, MA, PhD, University of New Mexico

Jackson, Nick—1996, Professor of Counseling, Educational and Developmental Psychology—BA, MA, PhD, University of Kansas

Jackson, Roberta A.—1999, Senior Lecturer in Communication Disorders—BA, MA, University of California, Santa Barbara

Jackson, Sarah C.—2007, Assistant Professor in Dental Hygiene—BS, Eastern Washington University; MS, Idaho State University

Jenkins, Janelle E.—2012, Lecturer in Chemistry—BS, Whitworth College; MS, PhD, Arizona State University

Jensen, Courtney—2014, Assistant Professor of Public Administration—BA, University of Washington; MFA, Eastern Washington University; PhD, University of Nebraska-Omaha

Johnson, Jonathan L.—1999, Professor of English/Creative Writing—BS, MA, Northern Michigan University; PhD, Western Michigan University

Johnson, Molly K.—2008, Assistant Professor of English—BA, University of St. Thomas; MA, PhD, Texas A & M University

Johnston, Cody C.—2013, Lecturer in Physics—BS, Purdue University—West Lafayette; MS, Vanderbilt University

Jones, Lindsay M.—2012, Lecturer in Chemistry—BA, Southwestern University; PhD, Baylor University

Jones, Merri L.—2013, Assistant Professor of Dental Hygiene—BS, University of Washington; MS, Idaho State University

Jorgensen, Donald J.—2013, Lecturer in Engineering and Design—BA, Eastern Washington University; MFA, Full Sail University

Joslyn, Shana—2010, Lecturer in Theatre—BA, MFA, Western Illinois University

K

Kammerer, Jennifer A.—2012, Lecturer in Education—BA, MA, Eastern Washington University
<table>
<thead>
<tr>
<th>Name</th>
<th>Title/Position</th>
<th>Institution/University</th>
</tr>
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<tbody>
<tr>
<td>Kamp, Brian A.</td>
<td>2002, Lecturer in Computer Science—BA, MS, Eastern Washington University</td>
<td></td>
</tr>
<tr>
<td>Karier, Thomas M.</td>
<td>1981, Member of the Northwest Power and Conservation Council and Professor of Economics—BS, University of Illinois, Urbana—Champaign; MA, PhD, University of California, Berkeley</td>
<td></td>
</tr>
<tr>
<td>Keatts, Sharen K.</td>
<td>2008, Lecturer in Geology—BS, Leicester University; MS, Kent State University</td>
<td></td>
</tr>
<tr>
<td>Keller, Sarah A. C.</td>
<td>1966, Professor of Anthropology—BA, Lawrence College; PhD, Harvard University</td>
<td></td>
</tr>
<tr>
<td>Kellogg, Jenny</td>
<td>2013, Assistant Professor of Music—BM, University of Idaho; MM, University of North Texas</td>
<td></td>
</tr>
<tr>
<td>Kenney, Garrett C.</td>
<td>Associate Professor of English/Religious Studies—R.BA, Whitworth College; B.D., Spokane Bible College; MA, PhD, Gonzaga University</td>
<td></td>
</tr>
<tr>
<td>Keogh, Mary Ann</td>
<td>2002, Professor of Health Services Administration—BA, Creighton University; MS, Eastern Washington University; PhD, Gonzaga University</td>
<td></td>
</tr>
<tr>
<td>Kerbs, Jodi L.</td>
<td>2009, Lecturer in Social Work—BA, University of Nevada, Reno; MSW, PhD Portland State University</td>
<td></td>
</tr>
<tr>
<td>Kiefer, Dean B., Jr.</td>
<td>2001, Associate Professor of Finance—BE, Stevens Institute of Technology; MA, University of Toledo; MBA, University of Akron; PhD, University of New Orleans; C.F.A.</td>
<td></td>
</tr>
<tr>
<td>Kieffer, Linda M.</td>
<td>1989, Vice Provost for Academic Administration and Professor of Computer Science—BA, MS, Eastern Washington University; PhD, University of Idaho</td>
<td></td>
</tr>
<tr>
<td>Kirby, Christopher C.</td>
<td>2008, Associate Professor of Philosophy—MA, University of South Florida; BA, PhD, University of North Florida</td>
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<td>Kirkland, LTC Michael G.</td>
<td>2009 Professor in Military Science—BS, University of Southern Mississippi; MS, Colorado School of Mines</td>
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<tr>
<td>Kissling, Elizabeth A.</td>
<td>1993, Professor of Communication Studies—AB, AM, PhD, University of Illinois—Urbana</td>
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<tr>
<td>Klyukanov, Igor E.</td>
<td>1999, Professor of Communication Studies—BA, MA, Tver State University, Russia; PhD, Saratov State University, Russia</td>
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<tr>
<td>Kobayashi, Kie</td>
<td>2010, Assistant Professor in Social Work—BA, MSW, PhD, Michigan State University</td>
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<tr>
<td>Koh, Min-Sung</td>
<td>2002, Professor of Engineering and Design—BE, MS, Ulsan University, Ulsan, South Korea; PhD, Washington State University</td>
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<tr>
<td>Kolts, Russell L.</td>
<td>1999, Professor of Psychology—BS, Oklahoma State University; MA, PhD, University of Mississippi</td>
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<tr>
<td>Kraft, Wayne B.</td>
<td>1968, Professor of German—BA, Washington State University; MA, University of Illinois; Urbana—Champaign</td>
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<tr>
<td>Kreider, Carri</td>
<td>2008, Assistant Professor of Physical Education, Health and Recreation—BEd, Gonzaga University; MA, Emporia State University</td>
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<tr>
<td>Krueger, Robert B.</td>
<td>2013, Assistant Professor of Occupational Therapy—BA, Oregon State University; BS, California State University—Sacramento; DOT, Rocky Mountain University of Health Professions</td>
<td></td>
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<tr>
<td>Krug, Gary J.</td>
<td>2002, Professor of Communication Studies—BA, University of Southern Mississippi; MA, PhD, University of Illinois, Urbana—Champaign</td>
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<tr>
<td>Kuz, Natalie</td>
<td>2001, Associate Professor of English/Creative Writing—BA, MFA, University of Alaska, Fairbanks</td>
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<tr>
<td>Laing, Sharon S.</td>
<td>2012, Lecturer in Psychology—BA, McMaster University; MS, PhD, Howard University</td>
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<tr>
<td>Lake, Hayley N.</td>
<td>2008, Senior Lecturer in Alcohol and Drug Studies—BS, MS, Eastern Washington University</td>
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<tr>
<td>Lam, Pui-Yan</td>
<td>2001, Professor of Sociology—BA, San Jose State University; MA, PhD, Washington State University</td>
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<tr>
<td>Lamm, Ashley</td>
<td>2014, Assistant Professor of Chemistry and Biochemistry—BA, Idaho State University; MS, PhD, University of Oregon</td>
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<tr>
<td>LaPier, Tanya L.</td>
<td>2003, Professor of Physical Therapy and Distinguished Professor of Physical Therapy—BS, Ithaca College; MS, State University of New York, Buffalo; PhD, Idaho State University</td>
<td></td>
</tr>
<tr>
<td>Larsen, Kyle F.</td>
<td>2013, Lecturer in Engineering and Design—BS, MS, California State University—Sacramento; PhD, Brigham Young University</td>
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<tr>
<td>Larsen, Nicholas W.</td>
<td>2013, Assistant Professor of Economics—BA, MA, PhD, University of Illinois—Chicago</td>
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<tr>
<td>Lattimore, Sheryl</td>
<td>2001, Senior Lecturer in English as a Second Language—BA, Gonzaga University; MA, Eastern Washington University</td>
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<tr>
<td>LeBar, Ann</td>
<td>1991, Associate Professor of History—BA, University of Montana; MA, PhD, University of Washington</td>
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<tr>
<td>Lee, Hyung Sook</td>
<td>2008, Assistant Professor of Mathematics—BS, Seoul National University; MS, Korea Advanced Institute of Science and Technology; PhD, University of Georgia</td>
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<tr>
<td>Leight, James T.</td>
<td>2012, Lecturer in Mathematics—MS, Seattle University</td>
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<tr>
<td>Lemelin, Robert J., Jr.</td>
<td>1999, Senior Lecturer in Computer Science—BAE, MEd, Eastern Washington University</td>
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<tr>
<td>Lenti, Joseph U.</td>
<td>2010, Assistant Professor of History—BS, Northeastern University; MA, PhD, University of New Mexico</td>
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<tr>
<td>Leonard, Bethany A.</td>
<td>2002, Senior Lecturer in Counseling, Educational and Developmental Psychology—BA, Whitworth College; MEd, Eastern Washington University</td>
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<tr>
<td>Li, Dan</td>
<td>2011, Assistant Professor of Computer Science—ME, Shenyang Institute of Technology; PhD, University of Nebraska, Lincoln</td>
<td></td>
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<tr>
<td>Li, Ning</td>
<td>2013, Associate Professor of Public Administration—BS, Peking University; PhD, George Mason University</td>
<td></td>
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<tr>
<td>Ligon, Samuel W.</td>
<td>2004, Associate Professor of English/Creative Writing—BA, University of Illinois, Urbana—Champaign; MA, University of New Hampshire; MFA, New School University, New York</td>
<td></td>
</tr>
<tr>
<td>Limpaphayom, Wanthana</td>
<td>2005, Associate Professor of Management—BA, Chulalongkorn University, Bangkok, Thailand; MBA, University of Wisconsin, Whitewater; PhD, University of Mississippi</td>
<td></td>
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<tr>
<td>Lindeleugel, Dale M.</td>
<td>1987, Professor of Sociology—BS, Minor State College; MA, University of North Dakota; PhD, University of Montana</td>
<td></td>
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<tr>
<td>Lindhold, Paul</td>
<td>1994, Professor of English—BA, MA, Western Washington University; PhD, Pennsylvania State University</td>
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<tr>
<td>Liu, Jing-Qiu</td>
<td>1998, Professor of Education—BA, Shansi University; MS, PhD, Iowa State University</td>
<td></td>
</tr>
<tr>
<td>Liu, Yanxin</td>
<td>2014, Assistant Professor of Management—BA, Liaoning Normal University; MA, University of International Business and Economics; PhD, University of Wisconsin- Milwaukee</td>
<td></td>
</tr>
<tr>
<td>Logan, Judy K.</td>
<td>1996, Associate Professor of English—BA, Whitworth College; MA, Eastern Washington University; PhD, University of North Carolina, Chapel Hill</td>
<td></td>
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<tr>
<td>Loke, Vernon</td>
<td>2009, Assistant Professor in Social Work—BA, BSocSci, MSocSci, National University of Singapore; PhD, Washington University in St Louis</td>
<td></td>
</tr>
<tr>
<td>Loste, Barbara M.</td>
<td>2007, Senior Lecturer in Spanish—BA, Immaculate Heart College; BS, Endicot Jr. College; MA Universidad Nacional Autonoma de Mexico; PhD, Gonzaga University</td>
<td></td>
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<tr>
<td>Love, Daniel E.</td>
<td>2004, Senior Lecturer in Chemistry/Biochemistry—BS, Grove City College; PhD, University of Pittsburgh</td>
<td></td>
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<tr>
<td>Lowe, Peter L.</td>
<td>2012, Lecturer in Mathematics—BAE, MS, TCR, Eastern Washington University</td>
<td></td>
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<tr>
<td>Lynch, Frank H.</td>
<td>2013, Assistant Professor of Mathematics—BA, Linfield College; MS, PhD, University of Utah</td>
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<tr>
<td>Lynn, Kelly A.</td>
<td>2011, Lecturer in Mathematics—BA, MS, Eastern Washington University</td>
<td></td>
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<tr>
<td>Mackelprang, Romel W.</td>
<td>1987, Professor of Social Work—BS, MSW, D.S.W., University of Utah</td>
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<tr>
<td>MacMullen, Terrance</td>
<td>2002, Professor of Philosophy—BA, Hamilton College; MA, PhD, University of Oregon</td>
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<tr>
<td>Magori, Krisztian</td>
<td>2014, Assistant Professor of Biology—MSc, PhD, Eotvos University</td>
<td></td>
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<tr>
<td>Manikoth, Poukong C.</td>
<td>2011, Lecturer in Engineering and Design—BA, University of Washington; MS, Ecole Superieure de Commerce de Lille, France</td>
<td></td>
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<tr>
<td>Mann, Donna P.</td>
<td>2009, Assistant Professor in Physical Therapy—BS, Loma Linda University</td>
<td></td>
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<tr>
<td>Manson, Jamie L.</td>
<td>2003, Professor of Chemistry/ Biochemistry—BS, Eastern Washington University; PhD, University of Utah</td>
<td></td>
</tr>
</tbody>
</table>
Marchand-Martella, Nancy E.—1995, Professor of Counseling, Educational and Developmental Psychology—BA, Purdue University; MS, Southern Illinois University; PhD, Utah State University
Marinucci, Mary Ellen—2000, Professor of Women’s and Gender Studies and Philosophy—BA, University of Delaware; PhD, Temple University
Marshall, John—1994, Professor of Music—BM, Indiana University; MM, Yale University; DM, Northwestern University
Martella, Ronald C.—1995, Professor of Counseling, Educational and Developmental Psychology—BA, Fort Lewis College; MS, Southern Illinois University; MBA, PhD, Utah State University
Martin, Theresa J.—1991, Professor of Psychology—BS, MS, PhD, Iowa State University
Martin, William—2014, Assistant Professor of Management—BS, MBA, University of Southern Mississippi; PhD, Mississippi State University
Masiello, Anthony—2013, Assistant Professor of Chemistry—BS, Eastern Washington University; MS, PhD, Oregon State University
Masiengale, Travis L.—2012, Assistant Professor of Engineering and Design—MFA, Maryland Institute College of Art
Mason, John B.—2007, Professor of English—BA, University of Northern Colorado; MA, DA, PhD, University of Oregon
Mathers, Scott A.—2013, Assistant Professor of Sociology—BA, Coe College; MA, Western Illinois University
Matos, Joanna J.—2008, Assistant Professor of Biology—BS, University of Utah; MS, Washington State University; PhD, University of Florida
Matos, Luis F.—2014, Lecturer in Biology—BS, California State University; MS, Washington State University; PhD, University of Florida
May, David A.—1999, Professor of Government—BA, Whitman College; MA, PhD, Washington State University
McCollum, Linda B.—1983, Professor of Geology—BS, MS, University of California, Davis; PhD, State University of New York, Binghamton
McHenry, Tracey A.—2000, Associate Professor of English—BA, University of Portland; MA, PhD, Purdue University
McKean, Heather R.—1988, Senior Associate in Biology—BS, BA, MS, Eastern Washington University
McNeal, Jeni R.—2000, Professor of Physical Education, Health and Recreation—BS, Eastern Washington University; MS, PhD, University of Utah
McNeely, Camille C.—2006, Associate Professor of Biology—BS, University of Texas, Austin; PhD, University of California, Berkeley
McRae, Robin P.—1992, Professor of Chemistry/Biochemistry—BS, University of Puget Sound; PhD, University of California, Berkeley
Megard, Susan L.—1984, Professor of Accounting—BA, College of the Pacific; J.D., University of Washington; LL.M., Georgetown University Law Center
Megow, Jacqueline N.—2011, Lecturer in English; BA, University of Washington; MA, Central Washington University
Mehlert, Virginia L.—2004, Senior Lecturer in Counseling, Educational and Developmental Psychology—BS, MS, Eastern Washington University
Messa, Emily S.—2011, Assistant Professor of Therapeutic Recreation; BS, MS, University of Florida; PhD, Temple University
Metzler, Allison R.—2012, Lecturer in Alcohol and Drug Studies—BA, University of Chicago; MSW, Eastern Washington University; MBA, Gonzaga University
Meyer, Rebecca S.—2013, Lecturer in Mathematics—BS, Whitworth University; MS, Eastern Washington University
Michaelis, Matthew—2014, Assistant Professor of Mechanical Engineering—BS, Walla Walla University; MS, PhD, University of California, Irvine
Middleton, Jonathan N.—1999, Professor of Music—BA, Hampshire College; MA, University of California, Santa Barbara; D.M.A, Columbia University
Miller, Barbara S.—1972, Professor of Art—A.B., MA, PhD, University of Missouri
Miller, Jelleen R.—2006, Associate Professor in Libraries—BA, University of Washington; MLS, Rutgers University
Millstrap, Gayle M.—2013, Assistant Professor of Mathematics—BA, University of Tennessee; MA, PhD, Ohio State University
Milton, Suzanne—1992, Professor and Dean of Libraries—BA, California State University, Long Beach; M.L.S., North Texas State University
Miranda, Elisha—2014, Assistant Professor of Theatre and Film—BA, University of California at Berkeley; MCP, Massachusetts Institute of Technology; MFA, Columbia University
Moore, Marion E.—1998, Associate Professor of Counseling, Educational and Developmental Psychology—BS, Scripps College; M.Ed, PhD, Utah State University
Morgan, Debra D.—2000, Senior Lecturer in Management Information Systems—BA, EUI, Eastern Washington University
Morley, Laureen V.—2000, Professor of Physical Education, Health and Recreation—BS, California State University, Sacramento; MS, Washington State University; EdD, University of Northern Colorado
Mortier, Steven G.—2009, Lecturer in Music
Mortz, Margaret S.—2013, Lecturer in Engineering and Design—BA, MS, San Diego State University; PhD, University of California, Los Angeles
Moulton, Francis L.—2006, Lecturer in Libraries—BA, Charter Oak State College; MLS, Southern Connecticut State University
Mount, Sarah—2014, Assistant Professor of Community Health—BS, Castleton State College; MS, Cal Poly State University; EdD, University of Texas
Mullins, Christopher L.—2013, Lecturer in Mathematics—BS, Gonzaga University; MS, Eastern Washington University
Nalley, Diane E.—1985, Senior Lecturer in English as a Second Language—BA, M.Ed, Eastern Washington University
Napier, Doris—2003, Professor, Systems/Reference Librarian—BS, Oregon State University; MLS, University of Washington
Napier, Dorothy E.—2007, Assistant Professor of Counseling, Educational and Developmental Psychology—BS, Virginia Polytechnic Institute and State University; MA, Ball State University; PhD, University of Nebraska, Lincoln
Murray, Kevin L.—2013, Lecturer in Government—BA, University of California; MA, San Jose State University
Mutschler, Charles V.—2001, Professor in Libraries—BA, MA, Eastern Washington University; MA, Western Washington University; PhD, Washington State University
Myall, Carolyn—1989, Professor and Head of Collection Services Division—BA, University of Illinois/Chicago Circle; MLS, CAS, University of Illinois, Urbana, Champaign

N
Nappa, Elisa E.—1999, Professor of Art—BFA, New York College of Ceramics, Alfred University; MFA, Louisiana State University
Neely, Jamie T.—2007, Associate Professor of Journalism—BA, University of Wyoming; MA, Gonzaga University; MFA, Eastern Washington University
Neilson, Wade F.—2013, Lecturer in Mathematics—BA, MA, Eastern Washington University
Nelson, Patricia R.—2008, Assistant Professor of Physical Therapy—BS, University of Minnesota; BS, University of Minnesota, Program in Physical Therapy; ScD, Texas Tech University Health Science Center
Nemetz—Mills, Patricia L.—1989, Professor of Management—BS, Pennsylvania State University; MBA, Gonzaga University; PhD, University of Washington
Nezat, Carmen A.—2007, Associate Professor of Geology—BS, University of Western Michigan; MS, University of Alabama, PhD, University of Michigan
Nicholas, Doreen A.—2006, Senior Lecturer in Communication Disorders—BA, University of Montana; MS, University of Texas, Dallas
Nicholl, Anjel R.—2014, Professor of Dental Hygiene—BS, Idaho State University; MEd, Eastern Washington University
Nievergelt, Yves—2015, Professor of Chemistry—BA, University of California, Los Angeles; PhD, University of Washington
Nordic, Robert L.—1973, Professor of Music—BA, San Diego State University; MM, DM, University of Washington; J.D., Gonzaga University
Norment, Anthony—2014, Assistant Professor of Foundations and Elementary Science Education—BS, M.Ed, Montana State University
Norelli, Diane—Lecturer in Occupational Therapy—BS, University of North Dakota; MSW, Eastern Washington University
Novella, Miguel A.—2013, Assistant Professor of Modern Languages and Literatures—PhD, Georgetown University

Nover, Cindy—2013, Assistant Professor of Social Work—BA, MSW, California State University; PhD, University of Utah

Nyathi, Jabulani—2009, Lecturer in Engineering and Design—BS, Morgan State University; MA, PhD, SUNY at Binghamton

O’Connell, Margaret A.—1991, Professor of Biology—BA, Prescott College; MS, PhD, Texas Tech University

Ogden, Chase N.—2013, Assistant Professor of Film—BA, University of Washington; MFA, Chapman University

O’Quinn, Robin L.—2007, Assistant Professor of Biology—BS, University of California, Davis; PhD, Washington State University

Orendorff, Richard L.—2003, Professor of Geology—BS, Virginia Polytechnic Institute and State University; MS, Ohio State University State; PhD, Kent State University

Oster, Andrew M.—2013, Assistant Professor of Mathematics—BS, California Polytechnic State University; MS, PhD, University of Utah

Otto, Justin L.—2007, Associate Professor in Libraries—BA, MA, Washington State University; MLS, University of Washington

Palmer, Richard J.—2012, Lecturer in Physical Therapy—BS, University of Northern Colorado; DPT, Slippery Rock University of Pennsylvania

Parise, Lisa C.—2006, Senior Lecturer in Social Work BA, Western Washington University; MSW, University of Washington

Pascal, Vincent J.—2001, Professor of Marketing—BS, United States Military Academy; MBA, Gonzaga University; PhD, Washington State University

Patterson, Jodi—2013, Assistant Professor of Art—BS, MA, Central Michigan University; MFA, Goddard College

Peregy, Barbara M.—2001, Senior Lecturer in Communication Disorders—BA, Eastern Washington University; MA, Western Washington University; AuD, Arizona School of Health Sciences

Peters, Chris F.—2007, Senior Lecturer in Computer Science—BS, MS, Eastern Washington University

Petrie, Gina M.—2005, Associate Professor of English as a Second Language—BA, Valparaiso University; MA Indiana University; PhD, Washington State University

Phelgæ, Thutpen—2013, Lecturer in Psychology

Phillips, Elizabeth A.—2013, Lecturer in Education—BA, Eastern Washington University

Pickert, Rickie L.—2000, Senior Lecturer in Computer Science—BA, MED, Eastern Washington University

Pimentel, Jane T.—1998, Associate Professor of Communication Disorders—BS, MS, Idaho State University; PhD, University of Washington

Pirch, Kevin A.—2007, Associate Professor of Government—BS, University of Colorado, Boulder; MS, PhD, University of Oregon

Plamondon, Andrew A.—2001, Senior Lecturer in Music—BM, Boise State University

Ploeger, Kristina M.—2006, Associate Professor of Music—BM, Central Washington University; MA, Eastern Washington University

Potter, Lance—2014, Assistant Professor of Educational Leadership and Foundations—BA, Lewis and Clark College; JD, Portland State University; PhD, Penn State University

Porter, Peter S.—2004, Associate Professor of Electronic Media and Film—BA, Grand Valley State University; MA, Indiana State University; PhD, Wayne State University

Potter, Jonathan D.—2003, Associate Professor in Libraries—BA, Whitman College; MA, M.L., University of Washington

Preisig, Florian—2003, Associate Professor of French—BA, University of Geneva; PhD, Johns Hopkins University

Pritchard, Chad J.—2011, Assistant Professor Geology—BS, Portland State University; MS, Humboldt State University; PhD, Washington State University

Quinn, Robert R.—1967, Professor of Geography—BS, MS, PhD, Oregon State University

Radke-Snead, Jessica M.—2013, Lecturer in Physical Education, Health and Recreation—BA, BS, MS, Washington State University

Rahn, Jeffrey A.—1990, Professor of Chemistry/Biochemistry—BS, Whitworth College; PhD, University of Nevada, Reno


Raske, Martha R.—2011, Professor of Social Work—BA, MacMurray College; MS, Illinois Institute of Technology; Master of Social Work, PhD, University of Illinois.

Raymond, Kenneth W.—1982, Professor of Chemistry/Biochemistry—BS, Central Washington University; PhD, University of Washington

Reedy, Amanda R.—2010, Assistant Professor in Social Work—BA, MSW, PhD, University of Iowa

Reeves, LaVona L.—1989, Professor of English—BA, University of Nebraska; MA, Columbia University; PhD, Indiana University of Pennsylvania

Regalado, Charles L.—2011, Lecturer in Dental Hygiene—BA, Pacific Lutheran University; DDS, University of Washington

Rehm, Jacob S.—2013, Lecturer in Physical Education, Health and Recreation—BA, MA, Eastern Washington University

Repovich, Wendy—1991, Associate Professor of Physical Education, Health and Recreation—BA, University of Puget Sound; MED, University of Cincinnati; PhD, University of Southern California

Richter, Donald—1998, Professor of Engineering and Design—BS, Ohio State University; MS, PhD, University of Arkansas

Riedel MAJ, Robert H.—2009, Lecturer in Military Science—BS, James Madison University

Robinson, Heather C.—2006, Senior Lecturer in Communication Studies—BA, MS, Eastern Washington University

Rodriquez—Marek, Esteban—2001, Professor of Engineering and Design—BS, M.Sc., Washington State University

Roe, Timothy M.—2009, Lecturer in English—BA, Washington State University; MA, New Mexico State University

Rogues, Elizabeth A.—2012, Lecturer in English—BA, St. Catherine University; MFA, Eastern Washington University

Rowley, Kathy L.—2011, Lecturer in English; BFA, University of the Pacific; MA, California State University

Ruby, Susan F.—2005, Associate Professor of Psychology—BS, Texas A & M University; MEd, College of William and Mary; PhD, University of California, Riverside

Rudd, Rebecca A.—2013, Assistant Professor of Psychology—BS, Eastern Washington University; MA, PhD, University of Nevada

Ruiz-Rubio, Natalia—2009, Assistant Professor in Modern Languages and Literatures—Lic. Filologia Hispanica, Titulación de Posgrado, Universidad de Extremadura, Espana; MA, Michigan State University; PhD, Michigan State University

Ruutalainen, Robert W.—1983, Professor of Physics—BS, University of Washington; MS, PhD, University of Hawaii

Russell, Byron E.—2000, Associate Dean, College of Science, Health and Engineering and Associate Professor of Physical Therapy—BS, Colorado State University; BS, Texas Tech University Health Sciences Center; MHS, University of Indianapolis; PhD, Texas Women’s University

Russell, Joneel R.—2008, Lecturer in Modern Languages and Literatures—BA, University of Maryland; MA, Eastern Washington University; MAT, Whitworth University

Russell, Roberta L.—2000, Assistant Professor of Occupational Therapy—BA, California State University, Fresno; BS, University of Texas Health Science Center; MS, Colorado State University; PhD, Nova Southeastern College

Rutledge, Douglas L.—2013, Lecturer in Physics—BS, University of Oregon; PhD, Pennsylvania State University

S

Saad, Hani S.—2008, Assistant Professor in Engineering and Design—BS, MS, Marquette University; PhD, Washington State University

Sain, Ryan C.—2008, Assistant Professor of Counseling, Educational and Developmental Psychology—BS, Eastern Washington University; MS, PhD, Washington State University

Salerno, Julia D.—2010, Lecturer in Music—BM, University of Michigan; MM, DM, University of Southern California

Sanders, Jeffrey A.—2009, Lecturer in Electronic Media, Theatre and Film—BS, Central Michigan University; MFA, Western Illinois University

Sauls, Robert R.—2007, Associate Professor of Anthropology and History—BA, Gannon University; MA, George Washington University; PhD, American University
Schimpf, Paul H.—2006, Professor of Computer Science—BS, MS, PhD, University of Washington

Scholz, Allan T.—1980, Professor of Biology—BS, MS, PhD, University of Wisconsin, Madison

Schultz, Jeremy—2013, Assistant Professor of Physical Education, Health and Recreation—BS, MA, University of Wisconsin; PhD, University of Utah

Schwab, Suzanne M.—1983, Professor of Biology—BA, State University of New York, Oswego; MS, Colorado State University, Fort Collins; PhD, University of California, Riverside

Schwendiman, Angela R.—2009, Lecturer in Africana Education Program—BA, Eastern Washington University; MA, Eastern Washington University

Sedor, Timothy—2012, Lecturer in English Language Institute—BA, Eastern Washington University; MAT, Washington State University

Seiver, Jillene G.—2012, Lecturer in Psychology—BA, University of California; MA, California State University; PhD, University of New Mexico

Sen, Achin—1984, Professor of Physics—BS, MS, St. Xavier's College (Calcutta University); M. Phil., PhD, Columbia University

Sharifi, Majid K.—2008, Assistant Professor of Government—BA, MA, Florida International University; MA, PhD, University of Florida

Sheffield, Jenny M.—2012, Lecturer in Social Work—BSW, Lewis-Clark State College; MSW, Eastern Washington University

Shepard, Charlene R.—2013, Lecturer in Education—BA, MS, University of Utah

Shervais, Stephen—1999, Associate Professor of Management Information Systems—BA, MA, San Jose State College; MS, University of Denver; PhD, Portland State University

Shields, Peter G.—2005, Professor of Communication Studies—BA, MA, PhD, The Ohio State University

Shields, Vickie R.—2005, Dean, College of Social & Behavioral Science and Social Work and Professor of Communication Studies—BA, Boise State University; MA, PhD, The Ohio State University

Shin, Sohyoun—2011, Assistant Professor of Marketing—BS, Ewha Womans University; MS, Boston University; PhD, Korea University Business School

Sinekopova, Galina—2001, Associate Professor of Communication Studies—Graduate Honors Degree, Kuibyshev State University, Russia; MS, Eastern Washington University; PhD, Odessa State University, Ukraine

Sitzman, Danielle M.—2013, Assistant Professor of Psychology—BA, Alfred University; MS, PhD, Colorado State University

Skuzu, Nathan S.—2011, Assistant Professor in Economics—BA, Central Washington University; MS, PhD, Washington State University

Slack, Edward R., Jr.—2002, Professor of History—BA, MA, Pennsylvania State University; PhD, University of Hawaii, Manoa

Smith, Grant W.—1968, Professor of English and Humanities—BA, Reed College; MA, University of Nevada; PhD, University of Delaware

Smith, Julia E.—2004, Associate Professor of Anthropology—BA Vanderbilt University; MA, PhD, University of Pittsburgh

Smith, Marvin E.—1984, Professor of Electronic Media and Film—BA, Trinity University; MA, University of Texas, Austin

Soleimani, Mohammad Abrahim—2011, Assistant Professor of Management; BS Amirkabir University of Technology; MBA, Sharif University of Technology; PhD, Florida International University

Sonnema, Roy—2013, Professor of Psychology—BA, Lake Washington Institute of Technology; MA, University of Washington; PhD, University of Oregon

Spatz, Gregory—1998, Professor of English/Creative Writing—BA, Haverford College; MA, University of New Hampshire; MFA Iowa Writers' Workshop

Stafford, Jeffrey L.—1990, Professor of Communication Studies—BS, MS, Kansas State University; PhD, University of Kansas

Stansbury, Kim L.—2006, Associate Professor of Social Work—BS, University of Southern Mississippi; MSW, Southern Illinois University; PhD, University of Kentucky, Lexington

Stearns, Susan A.—1990, Professor of Communication Studies—BA, MA, California State University—Fresno; PhD, University of Oklahoma

Steenhuis, Harm-Jan—2002, Professor of Management—M.Sc., PhD, University of Twente, The Netherlands

Steigleder, Claire—2005, Lecturer in Libraries—BA, College of St. Elizabeth, Morristown, NJ; M.L.S., University of Hawaii

Steiner, Henry—1968, Professor of English—BA, Grinnell College; MA, Yale University; PhD, University of Oregon

Steiner, Stuart G.—2001, Senior Lecturer in Communication Studies—BS, MS, Montana State University; MS, Eastern Washington University

Steiner, Wes E.—2009, Assistant Professor of Chemistry and Biochemistry—BS, Southern Oregon University; MS, Arizona State University; PhD, Washington State University

Stellwagen, Kurt K.—2005, Associate Professor of Psychology—BA, University of Massachusetts, Amherst; MEd, Northeastern University; PhD, University of North Carolina, Chapel Hill

Stewart, Steven D.—2006, Lecturer in Communication Studies—BA, Cedarville University; MS, Eastern Washington University

Stewart-Strobel, Jody—2002, Senior Lecturer in German—BA, Washington State University; MEd, St. Martin's College

Stimson, William L.—1989, Professor of Journalism—BA, Eastern Washington University; MA, PhD, Washington State University


Stolberg, Rebecca G.—1998, Professor of Dental Hygiene—BS, Eastern Washington University; MS, University of Missouri, Kansas City

Stradling, Teiko K.—2002, Senior Lecturer in Japanese—BA, Kyoritsu College of Pharmacy, Tokyo, Japan; BA, MS, Eastern Washington University; MA, Whitworth College

Sullivan, Hugh D.—1967, Professor of Mathematics—BA, MA, University of Montana; PhD, Washington State University

Swoboda, Deborah—2012, Assistant Professor of Social Work—PhD, University of Maryland, Baltimore

Syphers, David—2014, Assistant Professor of Physics—BS, BA, University of Chicago; MS, PhD, University of Washington

T

Tappan, Dan A.—2012, Assistant Professor of Computer Science—BA, Arizona State University; MS, University of Arkansas; PhD, New Mexico State University

Taudin Chabot, Sean K.—2003, Professor of Sociology—BA, University of Puget Sound; MA, Boston University, Paris; PhD, University of Amsterdam

Taylor, Carol S.—2006, Associate Professor of Computer Science—BS, University of California, Davis; BS, Colorado State University; MS, PhD, University of Idaho

Teague, Bruce T.—2006, Associate Professor of Management—BA, Western Washington University; MBA, Arizona State University; MA, PhD, University of Pennsylvania

Terpstra, David E.—1999, Professor of Management—BA, Western Washington University; PhD, University of Tennessee

Thomson, Jennifer A.—1996, Professor of Geology—BS, University of New Hampshire; MS, University of Maine, Orono; PhD, University of Massachusetts

Thornton, Donny Ray SFC—2011 Lecturer in Military Science

Tian, Yun—2013, Assistant Professor of Computer Science—PhD, University of Mississippi

Tipton, Elizabeth J.—2001 Professor of Decision Science—BS, University of Texas, Dallas; PhD, University of Texas, Austin

Toneva, Elena T.—2000, Professor of Mathematics—MS, PhD, University of Sofia, Bulgaria

Toor, Rachel—2006, Associate Professor of Creative Writing—AB, Yale University; MFA, University of Montana

Tourkamer, Beth E.—2006 Associate Professor of English—BA, Montana State University; MA, University of New Mexico; PhD, University of Nebraska, Lincoln

Trella, Deanna L.—2014, Assistant Professor of Sociology—BA, State University of New York—Geneeseo; MA, PhD, Bowling Green State University

Tressider, Anna—2013, Assistant Professor of Urban Planning, Public and Health Administration—BS, Pacific University; MPH, PhD, Portland State University

Tsegay, Goitom Tesfom—2005, Associate Professor of Computer Science—BS, MS, Amirkabir University of Technology; MBA, Sharif University of Technology; PhD, Florida International University

Tipton, Elizabeth J.—2001 Professor of Decision Science—BS, University of Texas, Dallas; PhD, University of Texas, Austin

Toneva, Elena T.—2000, Professor of Mathematics—MS, PhD, University of Sofia, Bulgaria

Toor, Rachel—2006, Associate Professor of Creative Writing—AB, Yale University; MFA, University of Montana

Tourkamer, Beth E.—2006 Associate Professor of English—BA, Montana State University; MA, University of New Mexico; PhD, University of Nebraska, Lincoln

Trella, Deanna L.—2014, Assistant Professor of Sociology—BA, State University of New York—Geneeseo; MA, PhD, Bowling Green State University

Tressider, Anna—2013, Assistant Professor of Urban Planning, Public and Health Administration—BS, Pacific University; MPH, PhD, Portland State University

Tsegay, Goitom Tesfom—2005, Associate Professor of Computer Science—BS, Amirkabir University of Technology; MBA, Sharif University of Technology; PhD, Florida International University

Tipton, Elizabeth J.—2001 Professor of Decision Science—BS, University of Texas, Dallas; PhD, University of Texas, Austin

Toneva, Elena T.—2000, Professor of Mathematics—MS, PhD, University of Sofia, Bulgaria

Toor, Rachel—2006, Associate Professor of Creative Writing—AB, Yale University; MFA, University of Montana

Tourkamer, Beth E.—2006 Associate Professor of English—BA, Montana State University; MA, University of New Mexico; PhD, University of Nebraska, Lincoln

Trella, Deanna L.—2014, Assistant Professor of Sociology—BA, State University of New York—Geneeseo; MA, PhD, Bowling Green State University
V

Valeo, Christina A.—2003, Associate Professor of English and Education—BA, MAT., Brown University; MA, PhD, University of Illinois, Urbana—Champaign

Vander Linden, Darl W.—1992, Professor of Physical Therapy—BS, Physical Therapy Certificate; Iowa State University; MS, University of North Carolina at Chapel Hill; PhD, University of Iowa; Physical Therapy Certificate

Victor, Paul E., Jr.—2008, Assistant Professor in Libraries—BA, Western Connecticut State University; MA, University of Connecticut; MLIS, University of Pittsburgh

W

Wagner, Randal R.—1998, Professor of Music—BME, Walla Walla College; MA, San Diego State University; D.M.A, University of Nebraska—Lincoln

Waldron—Solé, Kathleen M.—2000, Associate Professor of Counseling, Educational and Developmental Psychology—BA, Whitman College; MS, Eastern Washington University; PhD, Washington State University

Waldrop, Michael V.—Associate Professor of Music—BM, DMA, University of North Texas; MA, Memphis State University

Walsh, Thomas R.—2010, Assistant Professor of Engineering and Design—PhD, New Mexico State University

Wang, Lei—2011, Assistant Professor of Accounting and Information Systems—BA, Henan Teacher's University; MBA, East Tennessee State University; PhD, University of South Carolina

Warner, Lisa A.—2012, Lecturer In Education—BA, MA, Eastern Washington University

Warren, Stacy—1992, Professor of Geography—BA, University of Delaware; MA, Clarke University; PhD, University of British Columbia

Watkins, Philip C.—1990, Professor of Psychology—BS, University of Oregon; MA, Western Baptist Seminary; MA, PhD, Louisiana State University

Weise, David M.—2013, Lecturer in Philosophy—BA, MA, Gonzaga University

Weiser, Martin W.—2010, Assistant Professor of Engineering and Design—BA, Ohio State University at Columbus; MS, PhD, University of California at Berkeley

Weller, Philip J.—1969, Professor of English—BA, University of Puget Sound; MA, Western State University; PhD, Kent State University

Werckle, Robert C.—1993, Senior Lecturer in English as a Second Language—BA, Holy Cross College; MA, Georgetown University

Wetmore, Ann O.—2009, Assistant Professor in Dental Hygiene—BSDH, Eastern Washington University; MSDH, Idaho State University

Williams, Christopher E.—2013, Lecturer in Social Work—BA, Western Washington University; MSW, Eastern Washington University

Williams, William C.—1977, Professor of Psychology—BA, MS, Eastern Washington University; PhD, University of Utah

Willis, Jessica L.—2011, Lecturer in Women and Gender Studies—BA, University of California, Santa Cruz; MA, New College of California; PhD, Clark University

Wilson—Fowler, Elizabeth—2010, Assistant Professor of Communication Disorders—BA, University of Virginia; MA, Western Washington University; PhD, Florida State University

Winchell, Richard (Dick) G.—1986, Professor of Urban and Regional Planning—BA, Warrington College; MURP, University of Colorado—Denver Center; PhD, Arizona State University

Winkle, Sally A.—1983, Professor of German and Director, Women's and Gender Studies—BA, Knox College; MA, University of Georgia; PhD, University of Wisconsin—Madison

Winters, Patrick—1987, Professor of Music and Director of Bands—BS, Elon College; MA, California State University; San Bernardino

Wintz, Gregory S.—2004, Associate Professor of Developmental Psychology—BA, Texas Women's University; PhD, University of Idaho

Woodward, Sheila C.—2012, Professor of Music—BM, PhD, University of Cape Town

Wright, Sue M.—1994, Professor of Sociology—BA, MA, PhD, University of Oregon

X

Xu, Bojian—2011, Assistant Professor of Computer Science; Bachelor's in Engineering, Zhejiang University; PhD, Iowa State University

Y

Young, Justin A.—2010, Assistant Professor of English—BA, Evergreen State College; MA, CUNY City College; PhD, University of Oklahoma

Youngs, J. William T.—1972, Professor of History—BA, Harvard; MA, PhD, University of California, Berkeley

Zeiser—Vralsted, Dorothy—2006, Professor of Government, Carroll College, Helena, Montana; MA, University of Montana; PhD, Washington State University

Zhou, Duanning—2001, Professor of Management Information Systems—BS, Jiangxi University; MEng., Zhongshan University; PhD, City University of Hong Kong

Zhu, Liping—1996, Professor of History—BA, East China Normal University; MA, Wichita State University; PhD, University of New Mexico

Zinke, Robert C.—1985, Professor of Public Administration—BA, Washington State University; MA, Drew University; PhD, New York University

Zovanyi, Gabor—1986, Professor of Urban and Regional Planning—AB, University of California at Los Angeles; M.C.P., San Diego State University; PhD, University of Washington

Zukosky, Michael L.—2006, Assistant Professor of Anthropology—BA, Fort Lewis College; PhD, Temple University

*Regular Faculty at WSU College of Nursing/Intercollegiate College of Nursing

Armstrong, Merry—1995, Associate Professor of Nursing—BSN, San Diego State University; MSN, D.N.Sc., University of San Diego

Banasik, Jacqueline—1983, Associate Professor of Nursing—BSN, PhD, Washington State University; M.N., University of Washington

Barbosa—Leiker, Celestina—2010, Assistant Professor of Nursing—PhD, Washington State University

Bayne, M. Christina—1974, Assistant Dean, Undergraduate Programs and Associate Professor of Nursing—BSN, College of St. Teresa; MS, University of Colorado

Benavides—Vaelo, Sandra—2009, Assistant Professor of Nursing—PhD, The University of Texas at Austin

Bindler, Ruth C.—1974, Director of PhD Program and Professor of Nursing—BS, Cornell University; MS, University of Wisconsin; PhD, Washington State University

Bray, Margaret—1979, Professor of Nursing—DNsc, Boston University

Buckfield, Patricia—2007, Dean and Professor of Nursing—PhD, Oregon Health Sciences University

Corbett, Cynthia—1996, Associate Professor of Nursing—BA, Carroll College; M.N., Whitworth College; PhD, Loyola University

Daratha, Kenneth B.—2007, Assistant Professor of Nursing—BA, MBA, Eastern Washington University; Phd, Washington State University

Dawson, Lorrie—2004, Assistant Professor of Nursing—BSN, MS, Brigham Young University; PhD, University of Utah

Dotson, Jo Ann—2010, Assistant Professor of Nursing—PhD, Oregon Health Sciences University

Drouth, Dawn—1998, Associate Professor of Nursing—BSN, ICN/Washington State University College of Nursing; MS, PhD, Oregon Health Sciences University

Eddy, Linda—2004, Assistant Professor of Nursing—BSN, Oregon Institute of Technology; MSN, California State University; PhD, Oregon State University

Eide, Phyllis J.—2002, Associate Professor of Nursing—BSN, Pacific Lutheran University; MS, University of Hawaii; PhD, University of Colorado

Emerson, Roberta—1981, Associate Professor of Nursing—BSN, M.N., University of Washington; PhD, Gonzaga University

Fitzgerald, Cynthia E.—2008, Assistant Professor of Nursing—BA, Central Washington University; BSN, Washington State University College of Nursing; MSN, Gonzaga University; PhD, University of Wisconsin—Milwaukee

Guido, Ginny—2007, Assistant Dean/ Director of Vancouver Nursing Programs—BSN, Incarnate Word College, San Antonio; MSN, Catholic University of America; JD, South Texas College of Law

Haberman, Mel—1998, Professor of Nursing—BSN, Washington State University; M.N., PhD, University of Washington

Hirsch, Anne—1998, Professor of Nursing and Senior Associate Dean for Academic Affairs—BSN, Washington State University; MSN, University of Washington; D.N.S., University of Indiana

Hoeksel, Rene—1990, Assistant Dean RN—BSN Program/Professor of Nursing—BSN, Southern Oregon State College; M.N., PhD, Oregon Health Sciences University

Izumi, Shiegko—2009, Assistant Professor of Nursing—PhD, Oregon Health Sciences University

Kaplan, Louise—2001, Associate Professor of Nursing—BA, Simmons College Boston; MN, University of Washington; PhD, Brandeis University

Kardong—Edgren, Susan—2006, Assistant Professor of Nursing—BSN, University of Nevada MS, PhD, Texas Woman's University
*Katz, Janet—1999, Associate Professor of Nursing—BSN, Intercollegiate College of Nursing; MSN, PhD, Gonzaga University

*Koeinga, Sara—2010, Assistant Professor of Nursing—PhD, Oregon Health Sciences University

*Kleist, Kris—1988, Associate Professor of Nursing—BSN, University of Utah; MSN, University of Kentucky; D.N.S, Indiana University

*Morris, Patricia—2007, Interim Director, SE Washington Nursing Programs—MSN, Walden University

*Odom—Maryon, Tamara L.—2007, Research Professor—BA, Occidental College; MS, PhD, University of Southern California

*Postma, Julie M.—2009, Assistant Professor of Nursing—BS, University of Michigan; PhD, University of Washington

*Purath, Janet—2004, Assistant Professor of Nursing—BSN, Jamestown College; MSN, Indiana University; PhD, University of Illinois

*Roll, John M.—2008, Associate Dean for Research—College of Nursing—BA, University of Montana; MA, Saint Bonaventure University; PhD, Washington State University

*Schumann, Lorna—1982, Associate Professor of Nursing—BSN, California State University, Sacramento; MSN, University of California, San Francisco; PhD, University of Idaho

*Severtson, Billie M.—1975, Associate Professor of Nursing—BS, Gonzaga University; MA, Columbia University; PhD, Gonzaga University

*Shaw, Michele—2004, Assistant Professor of Nursing—PhD, University of Arizona

*Shishani, Kawbark—2009, Assistant Professor of Nursing—PhD, University of Pittsburgh

*Smart, Denise—2005, Assistant Professor of Nursing—BSN, University of Alaska, Anchorage; M.P.H., PhD, Loma Linda University

*Van Son, Catherine—2009, Assistant Professor of Nursing—PhD, Oregon Health Sciences University

*Vandermause, Roxanne—2006, Assistant Professor of Nursing—BSN, MS, PhD, University of Wisconsin

Robert D. Bar—1965, Professor of Physical Education, Health and Recreation Emeritus 1997

William E. Bar—1970, Librarian Emeritus

James E. Bates—1975, Professor of Social Work Emeritus 1999

Charles H. Baumann—1969, University Librarian Emeritus 1991

Bruce D. Beal—1968, Professor of Art Emeritus 2000

Roy K. Behm—1963, Professor of Chemistry/Biochemistry Emeritus 1992

Donald R. Bell—1964, Professor of Applied Psychology Emeritus 1996

Jack C. Benson—1965, Associate Professor of Physical Education, Health and Recreation Emeritus 1999

Douglas A. Bickerstaff—1986, Professor of Computer Science Emeritus 2011

Arthur O. Biehl—1951, Professor of Music Emeritus 1979

Stephen D. Blewett—1982, Professor of Journalism Emeritus 2007

Sergio Bucaz—1971, Professor of Spanish Emeritus 1995

Dona F. Boggs—1997, Professor of Biology Emeritus 2008

Stamey L. Boles—1968, Professor of Electronic Media, Theatre and Film Emeritus 1997

Linda A. Bolte—1993, Professor of Mathematics Emerita 2012

James R. Braunmann—1984, Professor of Engineering and Design Emeritus 2012

Dorvan H. Breitenfeld—1962, Professor of Communication Disorders Emeritus 1995

Gary L. Breneman—1971, Professor of Chemistry/Biochemistry Emeritus 2003

Barbara J. Brock—1987, Professor of Recreation Management Emerita 2013

Benjamin W. Brucker—1972, Professor of Education Emeritus 2009

Polly Bruno—1984, Professor of Nursing Emerita 1999

John E. Bruntlett—1967, Professor of Technology Emeritus 1997

Michael Brzoska—1983, Professor of Engineering & Design Emeritus 2010

Edwin A. Bump—1973, Professor of Accounting Emeritus 1999

Kent R. Burnham—1970, Professor of Management Information Systems Emeritus 1999

James Buskoh—1970, Professor of English Emeritus 1995

Alex B. Cameron—1981, Professor of Accounting Emeritus 2010

Richard J. Carey—1969, Professor of French Emeritus 1990

Marilyn G. Carpenter—1998, Professor of Education Emeritus 2011

M. Notreena Carr—1980, Professor of Education Emerita 1991

Robert L. Carr—1969, Professor of Biology Emeritus 2001

Gordon L. Chapman—1979, Professor of Accounting Emeritus 2005

Sandra Christensen—1990, Professor of Management Emerita 2011

Thelma L. Cleveland—1970, Dean, Intercollegiate Center for Nursing Education Emerita 1997


John P. Cogley—1978, Professor of Physical Education, Health and Recreation Emeritus 2011

Elizabeth L. Cook—Lynn—1971, Professor of English Emerita 1990

David L. Cornelius—1984, Professor of Communication Studies Emeritus 2005

Ronald H. Dalla—1970, Professor of Mathematics Emeritus 2014

Dave Daughtry—1966, Professor of Mathematics Emeritus 1996

Diane R. Davis—1992, Professor of Social Work Emerita 2012

Maxine M. Davis—1970, Professor of Physical Education, Health and Recreation Emerita 1999

Lawrence B. Denny—1984, Professor of Technology Emeritus 1999

Dorothy M. Detlor—1997, Dean of Washington State University intercollegiate College of Nursing Emerita 2005

Joan R. Dickerson—1977, Professor of Education Emerita 2003

Richard W. Donley—1967, Professor of History Emeritus 1997

John E. Douglas—1960, Professor of Chemistry/Biochemistry Emeritus 1991

Joe E. Dowd—1999, Professor of Accounting Emeritus 2012

John A. Duenow—1970, Professor of Music Emeritus 1999


Laura Dusant—1975, Dean and Professor of Nursing Emerita 1982

E

Pamela D. Elkind—1982, Professor of Sociology Emerita 2006

Robert H. Elton—1970, Professor of Psychology Emeritus 1999

Gene L. Engene—1970, Professor of Electronic Media, Theatre and Film Emeritus 2007

Edie V. Evans—1969, Professor of Theatre and Film Emerita 2009

Wendell L. Exline—1949, Professor of Music Emeritus 1979

F

Kelly S. Farris—1970, Professor of Music Emeritus 2000

James D. Flynn—1967, Professor of Applied Psychology Emeritus 1997

John P. Ford—1965, Professor of Management Information Systems Emeritus 1999

Earl N. Forsman—1970, Professor of Psychology Emeritus 1997

H. George Frederickson—1977, President Emeritus 1991

G

Robert J. Gatiety—1968, Professor of English and Humanities Emeritus and Dean, University Honors Program Emeritus 1993

C. Peggy Gazette—1966, Professor of Health and Physical Education Emerita 1982


Philip R. George—1968, Professor of Education Emeritus 1988
Robert E. Gibbons—1970, Professor of Physics Emeritus 2003
Flash Gibson—1971, Professor of Biology Emeritus 2014
Ramond M. Giles—1946, Professor of Biology Emeritus 1978
Ernest H. Gilmour—1967, Professor of Geology Emeritus 2011
James C. Glass—1988, Professor of Physics Emeritus and Dean of the College of Science, Health and Engineering Emeritus 1999
Ernst W. Gobelter—1970, Professor of Government Emeritus 2002
William H. Gothmann—1990, Professor of Technology Emeritus 1999
Paul R. Graul—1986, Professor of Accounting Emeritus 1999
Michael K. Green—1967, Professor of History Emeritus 2001
William A. Greene—1964, Professor of Mathematics Emeritus 1999
Dorothy Gustafson—1970, Professor of Nursing Emerita 2008
H
Daryl G. Hagie—1955, Dean of Students Emeritus 1982
Patricia A. Hahn—1968, Professor of Communication Disorders Emerita 1994
Wayne B. Hall—1970, Professor of Education Emeritus 1997
Wayne H. Hall—1970, Professor of Mathematics and Education Emeritus 1997
Ray O. Hamel—1970, Professor of Computer Science Emeritus 2011
James L. Hanegan—1970, Professor of Biology Emeritus 1997
Kirt C. Hanes—1970, Professor of Mathematics Emeritus 2000
John E. Hanke—1970, Professor of Quantitative Analysis Emeritus 1999
Walter M. Hartman—1965, Professor of Management Information Systems Emeritus 1996
David M. Haugen—1969, Professor of Communication Disorders Emeritus 2000
Gregory W. Hawkins—1973, Professor of Art Emeritus 2003
Ursula Hegi—1984, Professor of English/Creative Writing Emerita 2001
Maria Hernandez-Peck—1981, Professor of Social Work Emerita 2013
Robert C. Herold—1969, Professor of Government Emeritus 2000
Gary H. Hickey—1974, Professor of Psychology Emerita 2012
Perry C. Higman—1971, Professor of Spanish Emeritus 2009
Jan Holloway—1970, Professor of Nursing Emerita 1999
Donald R. Horner—1966, Professor of Mathematics and Computer Science Emeritus 1997
Archie J. Hornfeld—1961, Professor of Technology Emeritus 1988
Neville J. Hosking—1994, Professor of Education Emeritus 2005
Russ Hubbard—1979, Professor of Education Emeritus 1999
Carolyn Hunter—1970, Professor of Nursing Emerita 1995
Fred A. Hurand—1977, Professor of Urban and Regional Planning Emeritus 2012
Mohammed Ikramuddin—1976, Professor of Geology Emeritus 2003
Shirley Jenkins—1970, Professor of Nursing Emerita 1998
Jerry E. Johns—1964, Professor of Biology Emeritus 1982
Mabel L. Kais—1941, Professor of Elementary Education Emerita 1974
Sidney K. Kasuga—1970, Professor of Education Emeritus 2013
John R. Keeble—1973, Professor of English/Creation Writing Emeritus 2002
Patricia Kelley—1994, Dean of Libraries Emerita and Librarian Emerita 2010
William J. Kelley—1978, Professor of Urban and Regional Planning Emeritus 2013
James K. Kieswetter—1968, Professor of History Emeritus 2012
Larry L. Kiser—1972, Professor of Economics Emeritus 2007
Eugene P. Kiver—1968, Professor of Geology Emeritus 2001
Lawrence A. Kraft—1966, Professor of Communication Studies Emeritus 1991
Jerome V. Krause—1967, Professor of Physical Education, Health and Recreation Emeritus 1999
David D. Kuo—1969, Professor of Philosophy Emeritus 1999
Bruce Z. Lang—1967, Professor of Biology Emeritus 2005
Elwyn C. Lapoint—Professor of Anthropology Emeritus 2006
Frederick M. Lauritsen—1969, Professor of History Emeritus 2000
Judith D. Leach—1984, Professor of Education Emerita 2005
Jack R. Leighton—1953, Professor of Physical Education Emeritus 1981
Mark P. Lester—1982, Professor of English Emeritus 1999
Donal R. Lightfoot—1982, Professor of Biology Emeritus 2009
Haideh N. Lightfoot—1979, Professor of Biology Emerita 2008
Tsung-Hua (Jack) Liu—1970, Professor of Economics Emeritus 2003
Robert J. Lloyd—1974, Professor of Art Emeritus 2004
Jerry D. Logan—1994, Associate Professor of Education Emeritus 2004
George W. Lortzhenhiser—1960, Professor of Music Emeritus and Dean, School of Fine Arts Emeritus 1982
Patricia L. Luse—1996, Professor of Education Emerita 2008
Lawrence S. Luton—1984, Professor of Public Administration Emeritus 2014
M
John Mager—1987, Professor of Marketing Emeritus 2009
James R. Marshall—1971, Professor of Physics Emeritus 1992
Jackson J. Martin—1969, Professor of Education Emeritus 1995
W. Dean Martin—1970, Professor of Technology Emeritus 1993
Sonja C. Matison—1977, Professor of Social Work Emerita 1999
James J. McAuley—1970, Professor of Creative Writing Emeritus 1998
Kathryn H. McCulloch—1954, Professor of Physical Education Emerita 1988
Elroy C. McDermott—1965, Professor of Marketing and Management Emeritus 1999
Judith McElvain—1966, Professor of Psychology Emerita 1977
Robert L. McGinty—1980, Professor of Management Emeritus 2010
Susan L. McGinty—1982, Professor of English Emerita 2007
Ernest C. McGoran—1966, Professor of Chemistry and Biochemistry Emeritus 2012
Diane E. McHenry—1970, Professor of Dental Hygiene Emerita 1998
Helen McKinlay—1969, Professor of Nursing Emerita 1977
David M. McKinstry—1983, Professor of Physics Emeritus 2008
Donald L. McManis—1969, Professor of Applied Psychology Emeritus 1997
Patrick F. McManus—1959, Professor of Journalism Emeritus 1982
Anne Mealey—1973, Professor of Nursing Emerita 2001
David J. Melville—1981, Professor of Physical Education, Health and Recreation Emeritus 2012
Gerald Mercer—1954, Professor of Education Emeritus 1977
Bruce M. Mitchell—1968, Professor of Education Emeritus 1994
Lynne C. Morris—1983, Associate Professor of Social Work Emerita 2008
Robert T. Morrow—1964, Professor of Education Emeritus 1986
James M. Moynahan—1966, Professor of Criminal Justice Emeritus 1999
Thomas W. Mullin—1991, Professor of Theatre and Film Emeritus 2013
N
David W. Nelson—1972, Librarian Emeritus 2006
Frank E. Nelson—1968, Professor of Business Education Emeritus 2007
Mary Ann Nelson—1967, Professor of English Emeritus 1995
Claude W. Nichols—1961, Professor of History Emeritus 1996
Joan E. Niemann—1976, Professor of Applied Psychology Emerita 1996
O. Jerry Parker—1968, Professor of Chemistry/Education Emeritus 1996
Robert B. Ridings—1988, Professor of English Emeritus 2001
Stuart R. Roe—1968, Professor of English Emeritus 1992
Robert F. Wilkens—1968, Professor of Education Emeritus 2003
William A. Rostmayer—1970, Professor of Philosophy Emeritus 1999
S
Robert Salsbury—1968, Professor of Education Emeritus 1999
Ray C. Sawyer—1963, Professor of Mathematics Emeritus 1995
V. Louise Saylor—1977, Dean of Libraries and Librarian Emerita 1996
Alexander F. Schilt—1987, President, Professor of Applied Psychology Emeritus 1989
Lula A. Schroeder—1966, Professor of Education Emerita 1987
Raymond L. Schults—1957, Professor of History Emeritus 1988
Stephen H. Scott—1969, Professor of Philosophy Emeritus 2000
Martin F. Seedorf—1989, Professor of History Emeritus 2009
Rita G. Seedorf—1990, Professor of Education Emerita 2006
Alys S. Seifert—1981, Professor of French Emerita 2003
Richard A. Sevenich—1987, Professor of Computer Science Emeritus 2006
Howard M. Shapiro—1970, Professor of Accounting Emeritus 2006
Marian Shearor—1983, Professor of Nursing Emerita 1998
Frances R. Sherwood—1998, Professor of Education Emerita 2014
Steven M. Simmons—1960, Professor of Computer Science Emeritus 2013
Horace R. Simms—1966, Professor of Biology Emeritus 1982
Leo R. Simpson—1977, Professor of Management Emeritus 2001
Sarah (Salli) E. Sledge—1977, Professor of Dental Hygiene Emerita 2001
Marvin E. Smith—1983, Professor of Theatre and Film Emeritus 2014
Robert B. Smith—1958, Professor of English Emeritus 1982
James R. Snooke—1967, Professor of Geology Emeritus 1993
Raymond A. Soltero—1971, Professor of Biology Emeritus and Dean of the College of Science, Health and Engineering Emeritus 2006
Pamela A. Stanley-Weigand—1983, Professor of Business Communications Emeritus 1998
William K. Steele—1970, Professor of Geology Emeritus 1999
Pamela A. Stanley-Weigand—1983, Professor of Business Communications Emeritus 1998
Christopher Sublett—1973, Professor of Art Emeritus 2002
Jack A. Swan—1970, Professor of Mathematics Emeritus 1993
Kenneth C. Swedberg—1962, Professor of Biology Emeritus 1995
T
Benard H. Taylor—1962, Professor of Psychology Emeritus 1991
Joan Thiele—1986, Professor of Nursing Emerita 2003
Duane G. Thompson—1966, Professor of Applied Psychology Emeritus and Vice President for Academic Affairs and Provost Emeritus 1992
Robert G. Thompson—1964, Professor of Mathematics Emeritus 1991
Robert B. Throckmorton—1967, Professor of Sociology Emeritus 1999
Nancy L.Todd—1988, Professor of Education Emerita, College of Letters, Arts, and Social Sciences Emeritus 1997
James P. Wallace—1967, Professor of Government Emeritus 1996
Jim L. Wasem—1981, Professor of Physical Education, Health and Recreation Emeritus 2000
Helen J. Westrum—1966, Professor of Home Economics Emerita 1988
Barlett D. Whelton—1974, Professor of Chemistry/Biochemistry Emeritus 2004
Irle White—1987, Professor of Theatre Emeritus 1994
Ronald J. White—1965, Professor of Biology Emeritus 1997
Raymond P. Whitfield—1949, Professor of Education Emeritus 1977
Don D. Wiley—1970, Professor of Education Emeritus 1996
Robert F. Winkels—1968, Professor of Education Emeritus 1997
William G. Williams—1969, Professor of Education Emeritus 1998
Heung T. Wong—1968, Professor of History Emeritus 2002
Lois A. Woodell—1965, Professor of Business Education Emerita 1985
Y
Edmund J. Yarwood—1968, Professor of Russian and English Emeritus and Dean Emeritus, College of Letters, Arts, and Social Sciences Emeritus 2002
Shik C. Young—1966, Professor of Economics Emeritus 1998
Z
Niel T. Zimmerman—1970, Professor of Public Administration Emeritus 2000
John G. Zurenko—1968, Professor of Management Information Systems Emeritus 1999
CHAPTER 172–121 WAC

APPENDICES A

A. Student Conduct Code
B. Family Educational Rights and Privacy Act of 1974
C. Residency Status for Higher Education
D. Undergraduate Housing Requirements
E. Human Rights Policy
F. Diversity

APPENDICES

STUDENT CONDUCT CODE

WAC 172–121–010 Introduction.

WAC 172–121–020 Definitions.


WAC 172–121–040 Sanctions.

WAC 172–121–050 External authorities.

WAC 172–121–060 Notification of criminal arrest.

WAC 172–121–070 Conduct review proceedings.

WAC 172–121–075 Confidentiality.

WAC 172–121–080 Administration and records.

WAC 172–121–100 Complaints.

WAC 172–121–105 Conduct review proceedings.

WAC 172–121–110 Preliminary conference.

WAC 172–121–120 Hearings.

WAC 172–121–130 Appeals.

WAC 172–121–140 Interim restriction.

WAC 172–121–200 Violations.


WAC 172–121–020 Definitions. For purposes of the student conduct code, chapter 172–121 WAC, the definitions in this section apply. "Accused" refers to any student or student organization that is accused of violating the student conduct code. "Complainant" refers to the person or entity making a complaint. "Council" or "the council" refers to the student disciplinary council. "Disciplinary proceedings" refers to any hearing, review, hearing or other proceedings described in WAC 172–121–020. "Fiscal year" refers to any 12-month period ending on June 30. "Institutes the complaint." .... "Intervening years" refers to the years between the conclusion of the complaint and the time the hearing is held. "Party" or "parties" refers to the student or student organization and the university. "Present" refers to the physical presence of an individual at a hearing. "Proxy" refers to an authorized agent who may represent an individual at a hearing. "Public document" refers to any document that is not confidential or restricted under WAC 172–121–075. "Student conduct code" refers to the rules and procedures for student conduct, as described in WAC 172–121–010 through 121–210. "University" means Eastern Washington University. "University official" means any person who is employed by the university, who is assigned administrative or professional responsibilities, or who is employed or contracted by the university, performing assigned administrative or professional responsibilities. "University premises" means buildings and/or property (including adjacent streets and sidewalks) which are owned, leased, rented, or used by the university, to include all satellite campuses affiliated with the university. "University president" refers to the university president or a designee of the university president. "Vice president for student affairs" refers to the vice president for student affairs or their designee representative. "WAC" refers to the Washington Administrative Code. "WAC 172–121–010 Notification of criminal arrest. A student is responsible for notifying the university of any off-campus arrest. When student rights and responsibilities (SSR) is informed of the arrest of a student, the university may send a letter to the student requiring them to make an appointment for an interview with SSR. During this interview, the director of SSR shall discuss with the student: (1) The facts involved in the student’s arrest; (2) The student’s obligation to advise the university of the final disposition of any criminal charges; and (3) The student’s obligation to advise the university of the final disposition of any criminal charge(s). The university will cooperate with law enforcement and seek to resolve or amend a corrective or rehabilitative program for the student. WAC 172–121–070 Conduct review officials. The director of SSR shall: (a) Serve as the primary point of contact for all matters relating to student conduct code violations and proceedings; (b) Manage the proceedings as described in this chapter; (c) Maintain all records of conduct review proceedings as described in WAC 172–121–080; (d) Ensure complaints of harassment or sexual misconduct involving students are promptly investigated and resolved as required by federal and state laws. The conduct review officer: The university president shall designate one or more conduct review officers. The director of SSR may be designated as a conduct review officer. The conduct review officer(s) will: (a) Revise the procedures for conducting conduct review proceedings under this chapter; and (b) Review off-campus incidents of alleged misconduct and make determinations as to whether the conduct involved adversely affects the university community and/or the pursuit of its objectives. (3) Student disciplinary council: The student disciplinary council hears cases of student conduct code violations as described in WAC 172–121–120. The council also serves as an appeal authority under WAC 172–121–130. (a) Council pool: For each academic year, a pool of council members shall be established based on availability. Appointment of council members shall be made with the advice and consent of the students governing body as follows: (i) Faculty: Three faculty members shall be selected by the faculty senate for three-year terms; (ii) Staff: Three university staff members shall be appointed by the university president for three-year terms; (iii) Students: Six student members shall be appointed by the president of the ASEWU for one-year terms. Student appointments shall be made with the advice and consent of the associated students’ legislative council, as described in the constitution of the ASEWU. Students holding a position with any of the associated student courts, or who are in any way affiliated with any judicial, quasi-judicial, or advocacy position with the courts of the ASEWU, may not be appointed to the council pool. (b) Composition: A session of the council pool is comprised of four community members: One or more members of the local community may be appointed by the university president. Community members serve until either the community member or university president elects to replace them, up to a maximum term of three years. Community members shall be considered school officials while acting in their capacities as community members on the student disciplinary council and shall sign statements indicating they will comply with the confidentiality requirements of the Family Educational Rights and Privacy Act; (v) Council chair: The director of SSR, or designee, shall serve as chair of the council proceedings but will not have the right to vote; (vi) Vacancies: Council pool vacancies shall be filled as needed by the designated appointing authority. (b) Session council: When a student disciplinary council is needed for a hearing, an appeal, council pool members are selected from the council pool as follows: (i) Composition: A session council will typically consist of one nonvoting chair, two student members, and two faculty or staff members. The faculty or staff member may be appointed by the university president, or selected from one faculty and one staff member. The number of council members may vary, so long as quorum requirements are met. A community member may also serve on a session council. (ii) Selection of the council members: A session council may elect, by secret ballot, a session chair, who serves as the presiding officer of the council. The director of SSR shall select available members from the council pool to serve as the session council. WAC 172–121–075 Conflicts of interest. (1) Individuals who play a role in receiving, investigating, and otherwise processing complaints shall avoid any conflict of interest in the process. In the event such a conflict arises in the process, the person shall disclose such interest to both parties. Parties to the complaint who believe a university
of official involved in the process has a conflict of interest may report such concerns to the director of SRR of the dean of student affairs. The dean shall determine whether a conflict of interest exists and take appropriate action.

(2) Challenges to council membership. Members of the student disciplinary council shall not participate in any case in which they are directly involved, the complainant or a witness; in which they have a personal interest or bias; or in which they have acted previously in an investigatory, advisory, or adjudicatory capacity. (a) If a member has such a conflict, the member shall disclose this to the chancellor and the complaint shall be reassigned to another member as needed for legitimate educational purposes. (vi) Any student disciplinary council shall not participate in any case in which they are directly involved, the complainant or a witness; in which they have a personal interest or bias; or in which they have acted previously in an investigatory, advisory, or adjudicatory capacity. (vii) Any student disciplinary council shall not participate in any case in which they are directly involved, the complainant or a witness; in which they have a personal interest or bias; or in which they have acted previously in an investigatory, advisory, or adjudicatory capacity. (viii) Any student disciplinary council shall not participate in any case in which they are directly involved, the complainant or a witness; in which they have a personal interest or bias; or in which they have acted previously in an investigatory, advisory, or adjudicatory capacity. (ix) Any student disciplinary council shall not participate in any case in which they are directly involved, the complainant or a witness; in which they have a personal interest or bias; or in which they have acted previously in an investigatory, advisory, or adjudicatory capacity. (x) Any student disciplinary council shall not participate in any case in which they are directly involved, the complainant or a witness; in which they have a personal interest or bias; or in which they have acted previously in an investigatory, advisory, or adjudicatory capacity.

WAC 172–121–080 Administration and records. (1) Student conduct code. (a) Interpretation: Any question regarding the interpretation or application of this student conduct code are referred to the vice president for student affairs for final determination. (b) Review: This student conduct code shall be reviewed every three years under the direction of the vice president for student affairs. (2) Records: (a) The director of SRR will maintain a record of conduct review proceedings under this chapter shall be prepared by the conduct review official(s) involved and maintained by the director of SRR. As much as possible, records shall be maintained electronically. A summary of the proceedings shall be included on the day of the hearing. (b) The director of SRR will maintain a record of conduct review proceedings under this chapter shall be prepared by the conduct review official(s) involved and maintained by the director of SRR. As much as possible, records shall be maintained electronically. A summary of the proceedings shall be included on the day of the hearing. (ii) An audio recording of conduct review hearings; (iii) All letters, statements, memoranda, decisions, orders, notices, and other documents related to conduct review proceedings; and (iv) Any images, articles, recordings, or other materials presented as evidence in a conduct review proceeding. The director of SRR shall keep records of conduct review proceedings for seven years. Conduct review proceedings shall be maintained by the director of SRR. As much as possible, records shall be maintained electronically. A summary of the proceedings shall be included on the day of the hearing. (a) Any person may file a complaint against a student or organization for any violation of the student conduct code. (b) A person wishing to file a complaint under the student conduct code must submit the complaint in writing, to one of the following: (i) Student rights and responsibilities; or (ii) The office of the dean of students. (c) Filing a complaint under the student conduct code does not prohibit or limit a person's right to file a complaint with other departments or agencies for further criminal, civil, or sexual misconduct that will have special significance under the student conduct code and has withdrawn from the university, or if the student withdraws from the university after a complaint is filed or for taking action in place until the allegation or complaint is resolved.

APPENDICES
The provisions of subsections (1) through (8) of this section apply to both WAC 172–121–080; or (c) Refer the case to the student disciplinary council for a council hearing under WAC 172–121–110. The conduct review officer may also place a hold on the accused’s academic records under WAC 172–121–080. (e) Deliberation: Before the hearing, the conduct review officer shall decide whether the accused violated the student conduct code based on a preponderance of the evidence. (i) If the conduct review officer determines that there is not sufficient information to support the accused’s case as alleged, the conduct review officer shall dismiss the complaint. (ii) If the conduct review officer determines that the accused violated the student conduct code, the conduct review officer shall inform the accused of the date, time, and place of the hearing. (f) Notification. The conduct review officer shall notify the accused, in writing, of the summary hearing outcome and the right to appeal. In the case of sexual harassment, gender-based harassment, stalking, sexual assault, domestic violence, or dating violence, the victim shall be provided with written notice of: (i) The university’s determination as to whether such harassment occurred; (ii) the victim’s right to appeal; (iii) any change to the results that occurs prior to the time such results become final; and when such results become final (20 U.S.C. 1092(f)). Information regarding the discipline of the accused will not be released unless: (A) The information contained in the case is directly related to an order requiring the student harasser to not contact the complainant; or (B) The misconduct involves a crime of violence or a sexual assault, including rape, dating violence, domestic violence or stalking as defined in 42 U.S.C. §1983(a). (10) Council hearing procedures. (a) Scheduling and notification. If the conduct review officer has decided to refer the case to the student disciplinary council for a council hearing, the director of SRR shall schedule the hearing and notify the council, accused and the complainant/ victim of the date, time, and location of the hearing in writing. The council must receive at least seventeen-two hours’ notice of any scheduled meeting. The hearing officer or review officer may coordinate with the parties to facilitate scheduling, but is not required to do so. (b) Deliberations and sanctions. Following the hearing, the council shall meet in closed session, but may meet in open session either by majority vote whether, by a preponderance of evidence, the accused violated the student conduct code. If the council determines the accused violated the conduct code, the council shall then decide what sanctions shall be imposed. Sanctions shall be determined by majority vote and in closed session. (c) Notification. The council chair shall forward the council decision to the director of SRR. The director of SRR shall notify the accused of the council’s decision and the right to appeal. In the case of sexual harassment, gender-based harassment, stalking, or any act of sexual misconduct involving a crime of violence or a sexual assault (including rape, dating violence, domestic violence, or stalking), the complainant or victim shall be provided with written notice of: (i) The university’s determination as to whether such harassment occurred; (ii) the victim’s right to appeal; (iii) any change to the results that occurs prior to the time such results become final; and when such results become final (20 U.S.C. 1092(f)). Information regarding the discipline of the accused will not be released unless: (A) The information contained in the case is directly related to an order requiring the student harasser to not contact the complainant; or (B) The misconduct involves a crime of violence or a sexual assault, including rape, dating violence, domestic violence or stalking as defined in 42 U.S.C. §1983(a).
conducted according to established procedures. A hearing may have deviated from established procedures if: (i) The hearing was not run fairly in light of the charging and information presented; (ii) The complainant was not given a reasonable opportunity to prepare and to present information as provided by the student conduct code; (iii) The hearing official misinterpreted, misapplied, or misstated a reasonable opportunity for the complainant to prepare and to present a response as provided by the student conduct code; (b) The hearing authority misinterpreted the student conduct code. (c) To determine whether the decision was run fairly by the hearing authority in addition to the information presented and that the information was sufficient to reasonably establish that a violation of the conduct code did or did not occur based on a preponderance of the evidence, whether the information relied upon was reasonable and appropriate for the associated conduct code violation(s). (e) To consider newly discovered, material information which has not been known to the complainant and could not reasonably have been discovered and presented by the appellant at the original hearing. It is the party's obligation to present all evidence and the university is not obligated to grant an appeal and conduct a new hearing when parties do not take reasonable efforts to prepare their cases for the original hearing. (f) Filing: Appeals may be filed following a conduct review hearing, subject to the following requirements: (a) The appeal must be submitted in writing to the director of student rights and responsibilities within five business days of receipt of the decision; (b) The appeal shall be in writing and shall include: (i) The appellant's name; (ii) A statement of the grievance or exception, and sanctions requested; (iii) The basis, as described in subsection (1) of this section, for the appeal; and (iv) What remedy the appellant is seeking. (3) Appeal authorities. (a) For summary hearings, the appeal authority shall be the conduct review hearing official; (b) For student disciplinary council hearings, appeals are determined by the student disciplinary council; (c) For student conduct code violations, appeals are determined by the deans of students; (4) Forçal procedures. (b) The director of SRR shall forward the appeal to the appropriate appeal authority. The submitted appeal will include, at a minimum, the appellant's written appeal and the written report of the case. The director of SRR may also request additional information or related written records related to the appeal. (5) Review of appeals: (a) Before rendering a decision, the appeal authority may request additional information or explanation from any of the parties to the proceedings. (b) Except as required to explain the basis of new information, an appeal shall be limited to a review of the verbatim record of the conduct review hearing and supporting documents. (c) In making its decision, the appeal authority will only consider the written report before it, the appellant’s notice of appeal and other information and/or explanation it has requested from the parties to the proceedings. (6) Decisions: After reviewing the appeal, the appeal authority may decide to affirm, reverse, or modify the sanctions. (a) The director of SRR shall forward the appeal to the hearing authority. (7) Remanded cases: In cases where the appeal authority orders the decision or the determination of the hearing authority is the case will be returned to the hearing authority for further review. (8) Right to withdraw. The right to withdraw an appeal remains with the complainant unless the alleged violation materially changed the outcome of the case or the sanctions imposed. WAC 172–121–140 Interim restriction. In situations where there is cause to believe that a student or a student organization engaged in conduct that violated the student conduct code, the university community, or property of the university community, the dean of students may take immediate action(s) against the student or student organization from engaging in conduct that violates the student conduct code. With such action(s), the dean of students will refer the charges to the conduct review officer, who will process such charges in accordance with the provisions of this student conduct code. (1) Interim restriction. Interim restriction actions may only be imposed in the following situations: (a) When a student or student organization poses an immediate threat to: (i) The health, safety or welfare of any person at risk of physical or psychological and/or (ii) The student’s own physical safety and well-being; or (iii) Any property of the university community; (b) When it is believed that the student or student organization's continued attendance or presence may cause disorder, substantially interfere with or impede the lawful activities of others, or impair the physical or mental health and safety of members of the university community; or (c) Whether a student is undergoing criminal proceedings for any felony charge. (2) During the interim restriction period, a student may be restricted by any or all of the following means: (a) Denial of access to university housing or removal from university housing; limitation of access to university facilities, or restriction of communication with specific individuals or groups on an ongoing basis; (b) Total removal from the university or restriction of access to campus; (c) Mandatory medical/psychological assessment of the student's capability to remain in the university; (3) The dean of students will consider the following: (i) The interim restriction will be placed on a student. (4) All interim restrictions that involve any type of restriction from any university premises will be accomplished by giving a notice to trespass. (5) The notice to trespass may be given by any manner specified in WAC 172–122–200. (6) The dean of students will prepare a brief memorandum for record containing the reasons for the interim restriction. The dean of students will forward a copy of the memorandum to: (a) The student's personal delivery or by U.S. mail to the restricted student; (b) The student rights and responsibilities, and all other persons or offices bound by it. At a minimum, the memorandum will include: (a) The alleged act(s) or behavior(s) of the student or student organization which prompted the interim restriction; (b) How those alleged act(s) or behavior(s) constitute a violation of the student conduct code; and (c) How the circumstances of the case necessitated the interim restriction action(s). (6) In all such cases, the student or student organization may appeal the interim restriction to the vice president for student affairs. The challenge must be submitted, in writing, within ten business days after the interim restriction action is taken, unless the student requests an extension. Requests for extension will only be granted to review the following issues: (a) The reliability of the evidence; and (b) Whether the student's continued presence or prior or present behavior warrants interim restriction for the causes listed in subsection (1) of this section. (7) As a result of the challenge, the vice president for student affairs shall schedule a meeting with the accused. The vice president for student affairs may have the dean of students or any other person deemed relevant attend the meeting. The accused may have an advisor present at the meeting so long as the name of that person is provided to the director of SRR at least two business days prior to the scheduled meeting. (8) During the interim restriction period, the accused student will review available materials and statements. After the meeting, the vice president for student affairs may uphold, modify, or terminate the interim restriction action. (9) The interim restriction does not replace the regular hearing process, which is described in the appropriate chapter. (10) Duration. An interim restriction will remain in effect until terminated, in writing, but the student disciplinary council or the vice-president for student affairs. WAC 172–121–200 Violations. The following are defined as violations of the university community, academic integrity policy. However, repeated violations, regardless of the academic integrity policy, are subject to action under the student conduct code. Academic dishonesty includes, but is not limited to, any of the following activities: (a) Plagiarism: Representing the work of another as one's own; (b) Preparing work for another that is to be used as that person's own work; (c) Cloaking work that is the result of dishonesty with false attribution or willfully falsifying or manufacturing scientific or educational data and representing the same to be the result of scientific or scholarly experiment or research; (e) Knowingly furnishing false academic work; and (f) Unilateral action by the university consistent with its official relative to academic matters. (2) Acts of social misconduct. (a) Abuse. Physical, verbal abuse, and/or or other conduct which threatens or endangers the health, safety, or welfare of another. (b) Bullying. Bullying is behavior threatening or intimidating, physical or psychological and/or (c) Domestic violence and dating violence. (d) Discrimination, gender-based harassment, and sexual harassment. (e) Intimidating and/or threatening conduct. (f) Understandings of the student conduct code.
sexual activity. (g) Stalking. Stalking is engaging in a course of conduct directed at a specific person that would cause a reasonable person to fear for their health or safety; or (i) False statements or threats are made to another in order to cause fear for their health or safety; or (ii) Suffer substantial emotional distress. (h) Unauthorized use of electronic or other devices: Making an audio or video recording of any person while the person is not aware of the recording, without prior knowledge or without their effective consent, when such a recording is of a private conversation or of images taken of a person(s) at a time and place where the person would have an expectation of privacy and where such recording is likely to cause injury or distress. This includes, but is not limited to, surreptitiously taking pictures of another person in a gym, locker room, or restroom, but does not include taking pictures in areas which are considered by the reasonable person to be open to public view. (3) Property violations. Theft of, or damage to, or misuse of another's property in any manner. (4) Unauthorized access: No individual shall have on their person, in their vehicle or otherwise in their possession any weapon, explosive, dangerous chemical or other dangerous instrument except as described in (a) through (c) of this subsection. Examples of weapons under this section include, but are not limited to: Shotguns, rifles, pistols, air guns, BB guns, pellet guns, longbows, hunting bows, throwing weapons, stun guns, electro-shock devices, tear gas, and any items that can be used to object of intimidation and/or threat, such as replica or look-a-like weapons. (a) Authorized law enforcement officers are permitted to carry arms while on duty and engaged in authorized activities. (b) Activities or possession of the prohibited items may be conducted on approval of the activity by the board of trustees; (c) Persons are permitted to have firearms in their possession directly en route to or from camps or facilities where their presence is officially approved and is incidental to approved on or off campus possession or use of such firearms. (5) Failure to comply. (a) Failure to comply with lawful and/or reasonable directions of university officials or law enforcement officers acting in performance of their duties on campus or affecting conduct on campus; (b) Failure to identify oneself to university officials in their course of duty, refusal or failure to appear before university authority or disciplinary committee when directed to do so; (c) Failure to attend any medical treatment or evaluation program when directed to do so by the dean of students, or other authorized university official. (6) Trespassing/Unauthorized use of keys. (a) Trespass. Entering or remaining on university property without authorization. (b) Unauthorized use of keys and unauthorized entry. Unauthorized possession, duplication, or use of university keys or access cards. (7) Deception, forgery, fraud, unauthorized representation. (a) Knowingly furnishing false information to the university. (b) Forgery, alteration, or misuse of university documents, records, or instruments of identification, such as identification cards, university keys, or access cards where a person knowingly uses or transfers another person’s identification for any purpose. (c) Forgery or issuing a bad check with intent to defraud. (d) Unauthorized representation or use of another’s name, voice, image, university or the names of members or organizations in the university community. (8) Safety. (a) Intentionally activating a false fire alarm. (b) Making a bomb threat. (c) Tampering with fire extinguishers, alarms, or safety equipment. (d) Tampering with elevator controls and/or equipment. (e) Failure to evacuate during a fire, fire drill, or false alarm. (f) Alcohol, drugs, and controlled substances. (a) Alcohol and substance violations. Use, possession, distribution, or sale of alcoholic beverages (except as permitted by university policy and state law) is prohibited. Under no circumstances shall any beverage, alcoholic or non-alcoholic, contain a concentration of twenty-one percent (21%) alcohol, possess, distribute, manufacture or sell alcoholic beverages. Public intoxication is also prohibited. (b) Illegal drugs and paraphernalia. Use, possession, distribution, manufacture, or sale of marijuana, drug paraphernalia, narcotics, hallucinogenic and other controlled substances, is prohibited except (i): (i) Being under the influence of marijuana or an illegal substance, while on university property or while participating in extra-curricular activities; and (ii) Being under the influence of a controlled substance, except when legally prescribed by a licensed medical practitioner, is also prohibited while on property owned or operated by the university or any organization the student or student group is affiliated with; (iii) For the purpose of self-medicating, or for the purpose of obtaining, use, possession, utilization, or distribution thereon, any controlled substance, except when prescribed by a licensed medical practitioner, or the university, or as a condition for continued membership in, a group or organization: (a) Endangers the mental or physical health or safety of any student or staff employees or removes or endangers any person in a private property; or (c) Compels an individual to participate in any activity which is illegal contrary to university rules. The express or implied consent of any participant is not a defense. A person who is apathetic or acquiesces in the continued presence or conduct of conduct or obstruction. (a) Disruptive conduct. Conduct which unreasonably interferes with another person's ability to work or study, or obstructs university operations or campus activities. (b) Harassment. Conduct that is disorderly, lewd, indecent or a breach of peace. (c) Obstruction. Obstruction of the free flow of pedestrian or vehicular traffic on university premises or at university events. (d) Demonstration. Participation in a campus demonstration which violates university regulations. (a) Violation of a local, county, state, or federal law. (b) Violation of other university policies or regulations. (c) Soliciting, aiding, abetting, concealing, or attempting to conduct in violation of this code. (14) Acts against the safety of the student community, including, but not limited to, (a) communicating a specific threat or charge knowing that the charge was false or with reckless disregard of its truth. (b) Interference with or attempt to interfere with the enforcement of this code, including but not limited to, intimidating or bribing of hearing participants; acceptance of bribes, dishonesty, or disruption of proceedings and hearings held under this code. (c) Knowing violation of the terms of any disciplinary sanction or in the presence with this code. (15) Other responsibilities: (a) Guests. A student, student group or student organization is responsible for the conduct of guests on or in university property and at university events. (b) Sanctions for violation of this code. (i) The academically and disciplinary regulations of the educational institution or residential housing program where the student is studying; (ii) Any other agreements relating to extra-curricular activities where a student is participating; and (iii) The student conduct code. (16) Student organization and/or group offenses. Clubs, organizations, societies or similarly organized groups in or recognized by the university shall be subject to sanctions imposed by the university or the names of members or individuals in the university community. The commission of any of the offenses in this section by such groups or the knowing failure of any organization group to exercise preventive measures relative to violations of the code by their members shall constitute a group offense. WAC 172-121-210 Sanctions. If any student or student organization is found to have committed any of the offenses described in WAC 172-121-200, one or more of the following sanctions may be imposed against the student or student organization: (a) Probation: A formal action which places the student or student organization on the student or student group probation from campus firearm storage facilities where such possession may be conducted on approval of the activity by the board of trustees; (c) Activities or possession of the prohibited items may be conducted on approval of the activity by the board of trustees; (i) The probationary conditions and the period of the probation. A sanctions will be executed in writing and will specify the student's continued attendance. Disciplinary probation will result in the assessment may lead to the determination that conditions of treatment and further assessment apply to either continued attendance or return due to a period of suspension. (j) Suspension: Exclusion from classes and other privileges or activities for a specified period of time. Suspension will be executed through a written order of suspension and will state all restrictions imposed by the suspension, as well as the period of suspension, the reason, the condition of suspension, and the date of suspension. A written notice of suspension outlined in this chapter except any suspension must also be approved by the dean of students and the vice-president for student affairs before such sanction is imposed. (k) Expulsion: Permanent separation of the student from university with no promise ( implied or otherwise) that the student may return at any future time. The student will also be barred from university premises. Dismissal actions will be approved by the president of the university if the student is subject to processes outlined in this chapter except that revocation of a degree must also be approved by the university president. (2) Student organizations and/ or group sanctions. Any of the above sanctions may be imposed in addition to those listed below: (a) Probation: Formal action placing conditions on the group’s continued recognition by or permission to function at the university. The probation period is determined by the vice-president for student affairs before such sanction is imposed. (l) Loss of institutional, financial aid funds: Formal withdrawal of all or a part of institutional funds currently being received by the student or promised for future reimbursement for any specified period of time. (m) Revocation of degree: A degree awarded by the university may be revoked for fraud, misrepresentation, or other violation of law or university standards. Revocation of a degree is subject to processes outlined in this chapter except that revocation of a degree must also be approved by the university president. (2) Student organizations and/ or group sanctions. Any of the above sanctions may be imposed in addition to those listed below: (a) Probation: Formal action placing conditions on the group’s continued recognition by or permission to function at the university. The probation period is determined by the vice-president for student affairs before such sanction is imposed. (l) Loss of institutional, financial aid funds: Formal withdrawal of all or a part of institutional funds currently being received by the student or promised for future reimbursement for any specified period of time. (m) Revocation of degree: A degree awarded by the university may be revoked for fraud, misrepresentation, or other violation of law or university standards. Revocation of a degree is subject to processes outlined in this chapter except that revocation of a degree must also be approved by the dean of students and the vice-president for student affairs before such sanction is imposed. (n) Expulsion: Permanent separation of the student from university with no promise ( implied or otherwise) that the student may return at any future time. The student will also be barred from university premises. Dismissal actions will be approved by the president of the university if the student is subject to processes outlined in this chapter except that revocation of a degree must also be approved by the dean of students and the vice-president for student affairs before such sanction is imposed.
APPENDIX B

CHAPTER 172-191 WAC

STUDENT EDUCATION RECORDS

WAC Sections

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Purpose.

The purpose of this chapter is to establish rules and procedures to comply with the requirements of the Family Education Rights and Privacy Act of 1974 (FERPA) 20 U.S.C. Sec. 1232g. FERPA provides students with the following rights:

1. The right to inspect and review their education records;
2. The right to seek amendment of their education records following rights:
   - Rights and procedures related to inspection, review, and amendment of education records;
   - Rights to consent to disclosure of personally identifiable information;
3. Rights to file a complaint.

Definition.

The following definitions shall apply in interpreting these regulations:

- "Attendance" includes, but is not limited to:
  - Attendance in person or by paper correspondence, video conference, satellite, Internet, or other electronic information and telecommunications technologies for students who are not physically present in the classroom; and
  - The period during which a person is working under a work-study program.
- "Biometric record" as used in the definition of personally identifiable information, means a record of one or more measurable biological or behavioral characteristics that can be used for automated recognition of an individual. Examples include fingerprints, voice, or iris patterns; voiceprint; DNA sequence; facial characteristics; and handwriting.
- "Course records" (e.g., examinations, term papers, essays, etc.); and
- Employment records based on student status are part of the student’s education record (e.g., work study and graduate assistant teaching).
- "Education records" do not include the following:
  - Records that are in the sole possession of the maker and are not accessible or revealed to any other person except a temporary substitute for the maker of the record (e.g., providing advising notes);
  - Law enforcement records created by Eastern Washington University campus police for the purposes of law enforcement, except that records created by another university police or law enforcement agency that are maintained education records while in the possession of university police;
  - Employment records that are maintained in the normal course of a business relating exclusively to the individual in that person’s capacity as an employee and are not available for any other purpose;
- "Health care records on a student that are created or maintained by a health care provider or health care facility, including, but not limited to, medical, psychological or professional advice within a professional capacity or assisting in connection with the treatment of the student and disclosed only to those individuals providing treatment or a specific aspect of the student’s health care that are part of the student’s education record (see also chapter 70.02 RCW);
- "Records" that only contain information about an individual after he or she is no longer a student at that agency or institution and that are not directly related to the individual’s attendance as a student (e.g., alumni records);
- "Graduate assistant teaching." "Parent" is defined as a parent of a student and includes a natural parent, a guardian, or an individual acting as a parent in the absence of a student.
- "Personally identifiable information" includes, but is not limited to, the student’s name; the name of the student’s parent or other family member; the address of the student or student’s family; a personal identifier such as the student’s Social Security number or student number; a date of birth, student’s place of birth, student’s mother’s maiden name; biometric record, or other information that alone or in combination, is linked or linkable to a specific student that would allow a reasonable person in the school community, who does not have personal knowledge of the relevant circumstances, to identify the student with reasonable certainty; or information that is not unique to a student or which the university reasonably believes is the identity of the student to whom the education record relates.
- "Record" means any information recorded in any way, including, but not limited to, handwriting, print, computer media, video or audio tape, film, microfilm, and microfiche.
- "Student" is defined as any person who is or has been in attendance at Eastern Washington University for whom the university maintains educational records.
- "Student’s net ID" means a unique identifier that allows students to use the university network domain.

Obtaining copies of records.

WAC 172–191–050

Students may obtain copies of their education records. The office of the registrar is the only office which may issue an official transcript of the student’s academic record. Charges for copies shall not exceed the cost normally charged by the university to a university copy center (except that there may be a charge for use of copying equipment or supplies of $0.10 per page, which charges have previously been approved for certain specified services).

1. The university may refuse to provide copies of education records including transcripts and diplomas in the following circumstances:
   - If the record is a secure exam as determined by the department that maintains the exam, so that the integrity of such exams may be preserved;
   - If the student has outstanding debts owed to the university, so that the university may require collection of such debts; and/or
   - If disciplinary action is pending or sanctions are not completed.
   - If failure to do so would effectively prevent the student from inspecting and reviewing a record;
   - When records are released pursuant to a student’s consent or at the request of the student and the student requests copies; and/or
   - When records are transferred to another educational institution where the student seeks to attend or intends to enroll and the student requests copies.

Amendment of records.

WAC 172–191–060

If a student believes his/her education records contain information that is inaccurate, misleading or in violation of his/her rights of privacy, the student may ask the university to amend the records. Requests for amendment must be submitted to the registrar’s office in writing. The registrar will review the request and may consult other university personnel who participated in creation of the record to determine whether to grant the request for amendment.
(1) If the university decides to grant the student’s request, the university shall amend the education record and the registrar will inform the student of the action taken. Such notification will be in writing and will be made within a reasonable time.

(2) If the university decides not to amend the education record as requested, the registrar will notify the student in writing within a reasonable time after receiving the request for amendment. Notification will also inform the student of his/her right to a hearing as stated in WAC 172–191–070.

(3) If a student requests to receive a written request within ninety days of the date of the denial. The request shall be submitted to the registrar and must identify why the student believes the information contained in the education record is inaccurate, misleading, or in violation of the privacy rights of the student.


Following receipt of a request for a hearing under WAC 172–191–060, the registrar will schedule the hearing. The associate vice president for enrollment services or his/her designate will act as the hearing officer and will provide the student with written notice of the hearing’s date, time, and place reasonably in advance of the hearing. The student will be provided an opportunity to present evidence relevant to the contested information. The student may, at his/her own expense, be assisted or represented by one or more individuals of his/her own choice, including an attorney.

(1) The associate vice president for enrollment services or his/her designate will render his/her decision in writing within a reasonable period of time following the hearing. The decision of the officer shall be the university’s final decision. The decision must be based solely on the evidence presented at the hearing, and must include a summary of the evidence and the reasons for the decision. The associate vice president for enrollment services or his/her designate cannot have a direct interest in the outcome of the hearing.

(2) If the associate vice president for enrollment services or his/her designate determines that the record is inaccurate, misleading, or in violation of the privacy rights of the student and grants the student’s appeal, the associate vice president for enrollment services or his/her designate will amend the education records of the student accordingly and inform the student in writing of his/her decision and of the amendment.

(3) If the associate vice president for enrollment services or his/her designate determines that the record is accurate, not misleading and not in violation of the privacy rights of the student, the associate vice president for enrollment services or his/her designate shall notify the student of his/her decision in writing and shall inform them of the right to place a statement in the record commenting on the contested information in the record.

(4) The associate vice president for enrollment services or his/her designate shall notify the student of his/her decision in writing and shall inform them of the right to place a statement in the record commenting on the contested information in the record or stating why the student disagrees with the decision of the university or both. The university must maintain the statement in the contested part of the record for as long as the record is maintained and must disclose the statement whenever it discloses the portion of the record to which the statement relates.

(5) The appropriate use of educational academic grades is not subject to review pursuant to this process.


172–191–080 Disclosures authorized without consent.

The university will use reasonable methods to identify and authenticate the identity of persons to whom it discloses personally identifiable information from education records and will not permit the access to or the release of education records or personally identifiable information otherwise than in accordance with this section, or “directory information” as defined in WAC 172–191–100, without the student’s consent, to any party other than the following:

(1) Agencies or organizations requesting information in connection with a student’s application for, or receipt of, financial aid if the information is necessary to:
   (a) Determine eligibility for financial aid;
   (b) Determine the nature, extent, or amount of financial aid;
   (c) Determine the conditions of financial aid; or
   (d) Enforce the terms and conditions of financial aid.

(2)Authorized representatives of the Comptroller General of the United States, the Attorney General of the United States, the Secretary of the U.S. Department of Education, or state or local authorities requiring access to education records in connection with a student’s application for, or receipt of, financial aid or evaluation of federal or state supported education program participation or in connection with the enforcement of or compliance with federal legal requirements which relate to such a program.

(3) School officials who have a legitimate educational interest in the records.

(a) A “school official” is:
   (i) A person employed by the university in an administrative, supervisory, academic, research, or support service position, including an attorney, auditor, or discloser employed in a governmental unit with which the university has outsourced to provide a service or to, an attorney, an auditor, a collection agency, or the United States Attorney General (or designee not lower than an Assistant Attorney General) concerning investigations or prosecutions of an offense listed in 18 U.S.C. 2332b (g) (5) (B) or an act of domestic or international terrorism as defined in 18 U.S.C. 2331.
   (ii) A parent or a student matter.
   (b) A contractor, consultant, volunteer or other party to whom the university has outsourced to provide a service and/or to assist another school official in conducting official business (examples include, but are not limited to, an attorney, an auditor, or an attorney, or the National Student Clearinghouse, an agency which acts as a clearinghouse for student loan deferment reporting).
   (c) The person with whom the university has entered into a written agreement with the university to perform a task specified in his/her position description or contract agreement including: The performance of a task related to a student’s education, the performance of a task related to the discipline of a student; the provision of a service or benefit related to the student or student’s family, such as a health education, counseling, advising, student employment, financial aid, or other student related service; the maintenance of the student’s educational record and the information to be disclosed, requires that the university enter into a written agreement with the organization to use personally identifiable information from education records, in connection with the audit or evaluation of a federal or state supported education program participation or in connection with the enforcement of or compliance with federal legal requirements which relate to such a program.

(4) Parent of a minor student or a non-minor dependent of a student, in connection with an emergency if the knowledge of the information is necessary to protect the health or safety of the student or other individuals.

(5) A person who requests information that is designated as “directory information.”

(6) Victims alleging a crime of violence or a non-forcible sex offense, the final results of a disciplinary proceeding under the university’s disciplinary code that results in a finding that the student was responsible for a crime of violence or a non-forcible sex offense that is a violation of the university’s rules or policies with respect to such crime or offense.

(7) Victims of school crimes of violence or non-forcible sex offenses committed at an educational institution, if the universe determines that the victim was the target of an attempted or completed school crime of violence or non-forcible sex offense.

(8) Persons or entities designated by a judicial order or lawfully issued subpoena, upon the condition that the university makes a reasonable effort to notify the student of all such orders or subpoenas and of its intent to release records in accordance with compliance with either the order or subpoena, unless:
   (a) The disclosure is for purposes related to the student’s education and will not permit personal identification of students and their parents by persons other than representatives of such organizations who have legitimate interests in the information; each such organization will be notified of the existence of the contents of the subpoena or the information furnished in response to the subpoena and be not be disclosed;
   (b) A subpoena issued for a law enforcement purpose and the court or other issuing agency has ordered that the existence or the contents of the subpoena or the information furnished in response to the subpoena not be disclosed;
   (c) An ex parte court order obtained by the United States Attorney General (or designee not lower than an Assistant Attorney General) concerning investigations or prosecutions of an offense listed in 18 U.S.C. 2332b (g) (5) (B) or an act of domestic or international terrorism as defined in 18 U.S.C. 2331.

(9) Students upon providing evidence sufficient to demonstrate that the requesting individual is in fact the student to whom the records relate such as: a driver’s license; a university student identification card; or other photographic identification.

(10) Federal, state, or local authorities requiring access to education records for purposes related to the student’s education, the performance of a task specified in his/her position description or contract agreement including: The performance of a task related to a student’s education, the performance of a task related to the discipline of a student; the provision of a service or benefit related to the student or student’s family, such as a health education, counseling, advising, student employment, financial aid, or other student related service; the maintenance of the student’s educational record and the information to be disclosed, requires the university to use personally identifiable information from education records, in connection with the audit or evaluation of a federal or state supported education program participation or in connection with the enforcement of or compliance with federal legal requirements which relate to such a program.

(11) The disclosure concerns sex offenders and other persons with the written approval of the family or representative of the student.

(12) Student upon providing evidence sufficient to demonstrate that the requesting individual is in fact the student to whom the records relate such as: a driver’s license; a university student identification card; or other photographic identification.

(13) If the university determines that the student’s violation of any federal, state, or local law, or of any rule or policy of the university, governing the use of alcohol or controlled substance, if the student is under the age of twenty-one, and the university has determined that the student has committed a disciplinary violation with respect to that use or possession of alcohol or controlled substance, the university will notify the student’s parent, in connection with an emergency if the knowledge of the information is necessary to protect the health or safety of the student or other individuals.

(14) Officials of another school, school system, or institution of postsecondary education where the student seeks or intends to enroll, or where the student is already enrolled so long as the disclosure is for purposes related to the student’s enrollment or transfer.

(15) Students upon providing evidence sufficient to demonstrate that the student is an eligible student initiates legal action against the university or the university determines that the student has committed a crime of violence or a non-forcible sex offense that is a violation of the university’s rules or policies with respect to such crime or offense. For purposes of this subsection, “final results” means that the university has determined that the student committed a crime of violence or a non-forcible sex offense.

(16) If deceased students, members of the family or other persons with the written approval of the family or representatives of the estate. The request for education records must be accompanied by a copy of the death certificate.

(17) The disclosure concerns sex offenders and other persons required to register under Section 170101 of the Uniform sexual offender and community notification act of 1994, and the information was provided to the educational agency or institution under 42 U.S.C. 14071 and applicable state law.

(18) The disclosure involves records or information from which all personally identifiable information has been removed.


Directory information is defined to include: Student’s name, address, email address, student net identification number,
APPENDIX C
CHAPTER 250–18 WAC
RESIDENCY STATUS FOR HIGHER EDUCATION
Excerpted From Chapter 250–18 Washington Administrative Code Last Update: 10.04.06

WAC Sections
250–18–010 Purpose and applicability.
250–18–015 Definitions.
250–18–020 Student classification.
250–18–025 Classification procedure.
250–18–030 Residence status.
250–18–035 Evidence of financial dependence or independence.
250–18–040 Administration of residency status.
250–18–045 Appeals process.
250–18–050 Recovery of fees for improper classification of residency.
250–18–055 Exemptions from nonresident status.

DISPOSITIONS OF SECTIONS FORMERLY CODIFIED IN THIS CHAPTER
250–18–040 Evidence of financial dependence.
250–18–045 Administration of residency status.
250–18–050 Recovery of fees for improper classification of residency.

(1) The term “institution” shall mean a public university, college, or community college within the state of Washington. In addition, the person must provide an affidavit to the institution indicating that the individual will file an application to become a permanent resident at the earliest opportunity the individual is eligible to do so. Furthermore, the individual must indicate a willingness to engage in other activities necessary to acquire citizenship, including, but not limited to, citizenship or civics review courses; or

(2) The term “domicile” shall denote a person’s true, fixed, and permanent home and place of habitation for other than educational purposes. It is the place where he or she intends to remain, and to which he or she expects to return when he or she leaves without intending to establish a new domicile elsewhere.

(3) The term “reside” shall mean the maintenance and occupancy of a primary residence in the state of Washington.

(4) The term “financially independent” shall be determined according to WAC 250–18–035.

(5) The term “dependent” shall mean a person who is not financially independent.

(6) The term “resident” for tuition and fee purposes shall be determined according to WAC 250–18–020.

(7) The term “nonresident” for tuition and fee purposes shall be determined according to WAC 250–18–020.

(8) The term “recovery of fees” shall apply to the amounts due to the institution or the student as a result of improper classification.

(9) The term “civil service” shall mean Washington state or federal government nonmilitary employment.

(10) The term “residence” shall be determined according to WAC 250–18–020.

(11) The term “financially independent” shall mean Washington state or federal government nonmilitary employment.

Appendix A

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<td>and Privacy Act or its implementing regulations.</td>
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Appendix B

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<td>Students may file a written complaint with the Family Policy</td>
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APPENDICES
for which financial assistance is provided. Such financial assistance relates to that which is provided by another state, governmental unit, or agency thereof on the basis of eligibility as a resident of that state is included within the term ‘financial assistance;’ (c) Is not a citizen of the United States of America, unless such person holds permanent or temporary resident immigration status, ‘renewable permanent resident status’ or ‘nonpermanent resident status’ is not otherwise permanently residing in the United States under color of law and further meets and complies with all applicable requirements of WAC 250–18–030 and 250–18–035 http://apps.leg.wa.gov/WAC/default.aspx?cite=250–18–030 and 250–18–035 http://apps.leg.wa.gov/wac/default. aspx?cite=250–18–035. (5) A person may not lose a domicile in the state of Washington by reason of residency in any state or country while a member of the civil or military service of this state or of the United States, nor while engaged in the navigation of the waters of this state or of the United States or of the high seas if that person returns to the state of Washington within one year of discharge from said service with the intent to be domiciled in the state of Washington. (4) Any resident whose domicile remains in this state when such student's parents or legal guardians, having theretofore been domiciled in this state for a period of one year immediately prior to commencement of the first day of the succeeding quarter or semester, shall be a rebuttable presumption of domicile of one year in this state unless specific evidence to the contrary is established. The extensive of the disclosure required concerning the parent’s or legal guardian’s state and federal tax returns shall be limited to the listing of dependents claimed and the signature of the taxpayer and shall not require disclosure of financial information contained in the tax returns. (a) A student whose parents are both deceased or who has been made an official ward of the court may be required to provide documentation attesting to the fact of such circumstances. (b) Evidence of coverage for medical, life, automobile, and property insurance. (2) To aid institutions in determining the financial independence of a student whose parents, legally appointed guardian, or person having legal custody of the student do not provide the documentation because of total separation or other reasons from the student, documentation clearing stating the student's status and relationship with his or her parents or legal guardian as a responsible third person, e.g., family physician, lawyer, or social worker may be submitted. (3) To be considered financially independent, a student must demonstrate by evidence satisfactory to the institution that he or she has met, through his or her income, the expenses associated with college tuition and living for the current calendar year and the calendar year immediately prior to the year in which application is made. Personal loans, PLUS loans (parent loan for undergraduate students), gifts, and cash earnings shall not be counted as income in this calculation. Financial aid grants, scholarships and loans authorized by the financial aid office in the student’s name may be considered as personal income. (4) A trust or other account available to the student shall be considered evidence of financial independence. If the account was created before the student entered high school, there shall be a rebuttable presumption of dependence. (5) Information submitted to the student by the institution on the financial aid form may be used to affirm the authenticity of information submitted on an application. (6) In all cases, the burden of proof that a student is financially independent lies with the student. [Statutory Authority: RCW 28B.15.015, 03–13–056, § 250–18–035, filed 9/26/03, effective 10/27/03; 03–13–056, § 250–18–035, filed 6/17/83, effective 7/19/83. Statutory Authority: 1981 1st ex. s. c. 57 § 8–6–105, § 250–18–035, filed 9/8/82, effective 10/8/82.]

WAC 250–18–025 Classification procedure. (1) After a student has registered at any institution as a nonresident, such student’s classification shall remain unchanged in the absence of evidence of a sufficient quantity and quality to satisfy the institution to the contrary. The extent of the disclosure required concerning the parent’s or legal guardian’s state and federal tax returns shall be limited to the listing of dependents claimed and the signature of the taxpayer and shall not require disclosure of financial information contained in the tax returns. (2) To aid institutions in determining the financial independence of a student whose parents, legally appointed guardian, or person having legal custody of the student do not provide the documentation because of total separation or other reasons from the student, documentation clearing stating the student’s status and relationship with his or her parents or legal guardian as a responsible third person, e.g., family physician, lawyer, or social worker may be submitted. (3) To be considered financially independent, a student must demonstrate by evidence satisfactory to the institution that he or she has met, through his or her income, the expenses associated with college tuition and living for the current calendar year and the calendar year immediately prior to the year in which application is made. Personal loans, PLUS loans (parent loan for undergraduate students), gifts, and cash earnings shall not be counted as income in this calculation. Financial aid grants, scholarships and loans authorized by the financial aid office in the student’s name may be considered as personal income. (4) A trust or other account available to the student shall be considered evidence of financial independence. If the account was created before the student entered high school, there shall be a rebuttable presumption of dependence. (5) Information submitted to the student by the institution on the financial aid form may be used to affirm the authenticity of information submitted on an application. (6) In all cases, the burden of proof that a student is financially independent lies with the student. [Statutory Authority: RCW 28B.15.015, 03–20–053, § 250– 18–035, filed 9/26/03, effective 10/27/03; 03–13–056, § 250–18–035, filed 6/17/83, effective 7/19/83. Statutory Authority: 1981 1st ex. s. c. 57 § 8–2–19–015 (Order 10–82, Resolution No. 83–1), § 250–18–035, filed 9/8/82.]

WAC 250–18–030 Establishment of a domicile. The domicile of any person shall be determined according to the individual’s overall situation and circumstances and is not determined on the basis of a single factor; nor is a predetermined number of factors required. Institutions shall require evidence of a Washington domicile that is of sufficient quantity and quality to negate the existence of a domicile in another state or other than Washington. A nonresident student who is enrolled for more than six hours per semester or quarter shall be presumed to be in the state of Washington for primarily educational purposes. Such period of enrollment shall not be counted toward the establishment of a bona fide domicile of one year in this state unless such student proves that he or she has, in fact, established a bona fide domicile in this state primarily for purposes other than educational. To aid the institution in determining whether a student, parent, legally appointed guardian, or the person having legal custody of a student has established a bona fide domicile in the state of Washington primarily for purposes other than educational, the following factors are to be considered for both the individual and his or her spouse. The weight assigned to any given factor should depend on the ease with which it might be established and the degree to which it demonstrates commitment to domicile as a matter of common sense and as part of the individual’s overall circumstances. (1) Location and duration of registration or payment of taxes or of hunting licences on any motor vehicle, motorcycle, trailer, boat, or any other item or personal property owned or used by the person. (2) State and duration of any driver’s license for the previous one year; (3) Location and duration of any continuous full-time employment of the previous one year; (4) Address and other pertinent facts listed on a true and correct copy of federal and state income tax returns for the calendar year prior to the year in which application is made; (5) Location and duration of any voter registration for the previous one year; (6) Location and duration of primary residence, evidenced by title, lease agreement, or monthly rental receipts for the previous one year; (7) Residence status in all secondary and postsecondary schools attended outside the state of Washington; (8) Location and duration of any checking accounts, savings accounts, and/or safety deposit boxes for the previous one year; (9) Address listed on selective service registration; (10) Location of membership in professional, business, civic or other organizations; (11) Receipt of benefits under a public assistance program; (12) State claimed as residence for obtaining eligibility to hold a public office or for judicial actions; (13) State claimed as residence for obtaining state hunting and fishing licenses for the previous one year; (14) State in which a custodial parent has a child attending public schools. [Statutory Authority: RCW 28B.15.015, 03–13–056, § 250–18–035, filed 9/26/03, effective 10/27/03; 03–13–056, § 250–18–035, filed 6/17/83, effective 7/19/83. Statutory Authority: 1981 1st ex. s. c. 57 § 8–6–105, § 250–18–035, filed 9/8/82, effective 10/8/82.]

WAC 250–18–035 Evidence of financial dependence or independence. A person is financially independent if he or she has not been and will not be claimed as an exemption and has not received and will not receive significant financial assistance in any form, direct or indirectly from his or her parents, relatives, legal guardians, or others for the current calendar year and for the calendar year immediately prior to the year in which application is made. (1) To consider a claim that a person is financially independent, the institution may require such documentation as deemed necessary, including but not limited to the following: (a) That individual’s sworn statement. (b) A true and correct copy of the state and federal income tax return of the person for the calendar year immediately prior to the year in which application is made. Should a person not have filed a state or federal income tax return because of minimal income or tax returns shall be limited to the listing of dependents claimed and the signature of the taxpayer and shall not require disclosure of financial information contained in the tax returns. (c) A true and correct copy of the person’s W–2 forms filed for the calendar year. (d) Other documented financial resources, which may include but are not limited to the sale of personal or real property, inheritance, trust funds, state or financial assistance, gifts, loans, or statement of earnings of the spouse of a married student.
APPENDICES

APPENDIX D

CHAPTER 172–130 WAC

UNDERGRADUATE HOUSING REQUIREMENT

WAC Sections 172–130–010 Students required to reside in university residence halls.
172–130–020 Exceptions.

WAC 172–130–010 Students required to reside in the university.

All full-time, single, first-year students of Eastern Washington University who are under twenty-one years of age are required to live in university residence hall facilities until their first year at the university.

WAC 172–130–020 Exceptions.

Students may request an exception to WAC 172–130–010. Requests must clearly describe the basis for the request and include supporting documentation as appropriate. The approval authority is the chief housing officer or designee. Exceptions will be considered for the following reasons:

(1) Students who will continuously reside with a parent and/or legal guardian throughout the quarter for which the exception is sought.

(2) Students who have primary legal custody of a child.

(3) Students employed off campus and whose housing is part of their overall compensation received. To qualify, employment must be for an established place of business or for an established family unit when a landlord/employer requires the student to reside where the work is performed and a substantial portion of the rent and or room and board is reduced as a part of the overall compensation for the work performed.

(4) Students with a documented medical issue that is incompatible with living in a university residence hall.

(5) Students who have attended an institution of higher education as a full-time student for at least two regular semesters or three regular quarters. Enrollments during summer terms or while simultaneously completing high school requirements, do not count as previous attendance under this exception.

(6) Students who will reach the age of twenty-one during their first year at the university.

(7) Students who have attended an institution of higher education as a full-time student for at least two regular semesters or three regular quarters. Enrollments during summer terms or while simultaneously completing high school requirements, do not count as previous attendance under this exception.

(8) Students who have unique situations, not otherwise covered in this section that could make living in a residence hall unduly burdensome.


Applications for permission to reside off campus are available from the Eastern Washington University Department of Housing and Residential Life, 1027 Cedar St., Cheney, WA 99004. Applications are reviewed and a determination is made whether an exception will be granted. Persons applying for such exception will be informed of the decision in writing. Requests for reconsideration of the decision may be submitted to the dean of students within ten working days of the date the student receives notice that their request has been denied. The dean of students or, designee, will evaluate the appeal and approve or deny the appeal. The decision by the dean of students is final; no further appeals are available.

APPENDIX E

EWU POLICY 402–01

HUMAN RIGHTS POLICY

EWU Policy 402–01 Authority: EWU Board of Trustees Effective June 22, 2011 Proponent: President's Office Purpose: This policy describes university standards for affirmative action, equal opportunity, and discrimination. It also establishes procedures for handling related complaints or incidents of policy violations.

History: This policy was adopted by the EWU Board of Trustees on June 22, 2011, superseding the previous version dated November 19, 2010. This policy was originally adopted on Sep 12, 2008 and superseded UGS 600–090–020 through 600–090–080. Applicability: This policy applies to all university personnel and students.

HUMAN RIGHTS EWU POLICY 402–01

Unwelcome sexual advances, requests for sexual favors, and other verbal or physical conduct of a sexual nature when:

This conduct explicitly or implicitly affects an individual's employment, unreasonably interferes with an individual's work performance, or creates an intimidating, hostile or offensive work environment.

b. Exception: in accordance with RCW 49.60.222, the University may consider a student's gender, marital status, or the existence of dependent children in making assignments to residence halls and other student housing.

1–1. General

This policy describes university measures in support of state and federal anti-discrimination laws and establishes procedures for responding to associated complaints. Eastern Washington University will not tolerate any form of discrimination and will take appropriate action against a university employee or student who violates any part of this policy.

1–2. Goal

The goal of this policy is to promote an environment that is free of discrimination, sexual harassment, and retaliation. To facilitate that goal, the University retains authority to discipline or take other appropriate action for any conduct that is deemed unacceptable or inappropriate, regardless of whether the conduct rises to the level of unlawful discrimination, sexual harassment, or retaliation.

1–3. Scope

This policy applies to all EWU programs and facilities, including, but not limited to, student services, educational programs, and employment. All members, visitors and guests of the campus community are required to comply with this policy. EWU employees and students conducting university business at a location off-campus, i.e. business trips, internships, etc, are also subject to the provisions of this policy.

1–4. Retaliation or Reprisal

It is a violation of this policy and RCW 42.40.020 for any person to engage in reprisal or retaliation against an individual because that individual has, in good faith, opposed the use of a practice forbidden by this policy, or has filed a complaint, testified, assisted, or participated in an investigation, or has attempted to do so.

1–5. Confidentiality

To facilitate the investigative process and protect the privacy of those involved, all information will be maintained in a confidential manner to the fullest extent permissible. During an investigation, complaint information will only be disseminated on a need-to-know basis. Files subject to public disclosure will be released to the extent required by law.
CHAPTER 3 – HUMAN RIGHTS

3–1. Equal Opportunity and Affirmative Action

Eastern Washington University is committed to equal opportunity, fair treatment, and taking affirmative action to increase the number and retention of students and employees from historically underrepresented groups. The University maintains an affirmative action program in support of federal requirements and provides updates on program activities to Office Federal Contract Compliance Program (OFCCP) and Washington State Department of Personnel.

To help meet university affirmative action goals, all advertisements for employment will include the following statement:

“Eastern Washington University is committed to increasing and retaining the diversity of its faculty, staff, students and academic programs. We are an affirmative action/equal opportunity employer. Applications from members of historically underrepresented groups are especially encouraged.”

3–2. Discrimination / Sexual Harassment

The term discrimination, as it is used throughout this policy, means all forms of discrimination and sexual harassment as defined by state and federal antidiscrimination laws.

a. Eastern Washington University does not discriminate on the basis of race, color, creed, religion, national origin, sex, sexual orientation, gender identity/expression, genetic information, age, marital status, family status, physical or mental disability, honorably discharged veteran or military status or the presence of any sensory, mental, or physical disability or the use of a trained dog guide or service animal by a person with a disability. Any discriminatory action can be a cause for disciplinary action.

b. Sexual harassment is a form of discrimination and is a violation of the basic tenets of human dignity. Sexual harassment violates university policies, federal and state civil rights laws, and professional ethics. Eastern Washington University does not tolerate sexual harassment. The U.S. Equal Employment Opportunity Commission defines sexual harassment as:

> unwelcome sexual advances, requests for sexual favors, and other verbal, written, or physical conduct of a sexual nature


The formal and informal complaint procedures are accessible to all EWU faculty, students, staff, guests and visitors.

a. Any complaint(s) under this policy must be made in good faith and be filed within six (6) months of the alleged act of discrimination. (RCW 49.60.230 (2)).

b. Employees or students who have cause to believe they are being subjected to unlawful discrimination are encouraged to seek confidential advice and assistance as soon as possible.

c. When an informal or formal complaint is filed, the complainant and alleged offender will fully cooperate with management and/or the investigator to help ensure a thorough and timely complaint process and resolution.

d. An aggrieved party may file a formal complaint by:

1. Completing an official complaint form and filing it with the EO Office.

2. Sending an email to the EO Office.

3. Telephoning the EO Office.

4. Contacting any agency listed in chapter 5.

4–2. Informal Complaint Process

a. The Discrimination/Sexual Harassment complaint form is available on the web at the EWU Equal Opportunity web site and at any of the offices listed in chapter 5.

b. Because victims subjected to unlawful discrimination may find it difficult to personally and formally address discriminatory actions, informal assistance can be provided at the agencies listed in chapter 5.

c. In lieu of a formal complaint, the following methods for an informal resolution are available to faculty, staff, and students:

1. Directly address the matter with the alleged offender.

2. Ask your supervisor or a co-worker to intervene on your behalf.

3. Engage in an informal meeting with the alleged offender and his/her supervisor or manager.

4. Request mediation with the alleged offender and his/her supervisor or manager.

5. Report matters to the EO Office for assistance.

Use of the University informal process does not restrict the complainant from filing an external or formal complaint process. If the informal process is unsuccessful or no longer an option, the external and/or formal process is available to resolve complaint. The EO Office Discrimination/Sexual Harassment complaint form is available on the web at the EWU Equal Opportunity web site and at any of the offices listed in chapter 5.

4–3. Formal Complaint Process

If a complainant decides to file a formal complaint, they may file their complaint through either of the methods shown below.

a. University (Internal) Complaint. This is a formal complaint filed with the university that will initiate an investigation by the Equal Opportunity Office.

b. External Complaint. This is a formal complaint that is filed with an agency listed in paragraph 5–3.

(1) When complaints are filed simultaneously with another investigative agency, any pending or ongoing EO investigation will be suspended until findings are provided by the other agency or until such time as the complaint is referred to the University for investigation.

(2) For additional guidance and information on the formal complaint investigation process, contact the Equal Opportunity Office.

CHAPTER 5 – RESOURCES

5–1. Complaint Process

At any time, a complainant may file a discrimination complaint with the Director of Equal Opportunity, Affirmative Action, ADA Compliance. Equal Opportunity/Affirmative Action/ADA Compliance 214 Showalter Hall 509.359.2371

5–2. Assistance

Personnel in the following offices are available to assist with concerns or issues related to this policy.

Equal Opportunity/Affirmative Action/ADA Compliance 214 Showalter Hall 509.359.2371

Human Resources, Rights and Risk 314 Showalter Hall 509.359.2381

Dean of Students Office 320 Pence Union Building 509.359.2292

Office of Equity & Access 214 First Avenue, Room 1068, Seattle, WA 509.353.2793

www.dol.gov/ebsa

Office of Federal Contract Compliance (OFCCP) 360.709.0805

APPENDIX F

EWU POLICY 104–01

DIVERSITY POLICY
EWU Policy 104–01 Authority: EWU Board of Trustees
Effective June 22, 2011 Proponent: University President
Purpose: This policy establishes and describes the President’s Diversity Committee for Eastern Washington University.
History: This is a revision to existing policy. EWU Policy 104–01 was adopted by the EWU Board of Trustees on Sep. 11, 2009, superseding UGS Policy 100 060 120 (May 2004), President’s Advisory Committee on Diversity. This revision was adopted by the Board of Trustees on June 22, 2011.
Applicability: This policy applies to all activities, operations and programs at Eastern Washington University.

1. Committee Responsibilities
The President’s Diversity Committee shall:
a. promote diversity at EWU by facilitating programs, assessments, events, initiatives, and similar activities in support of the President,
b. support, develop, implement, assess, and monitor all matters with regards to diversity,
c. advise the President on diversity issues, and
d. promote effective participation by members of all racial, ethnic and under-represented groups in the civic life of the university

2. Composition
The University President shall appoint the members of the Committee. The Committee shall consist of:
a. a committee chair
b. the Director of Equal Opportunity and Affirmative Action;
c. one faculty member, nominated by the faculty senate;
d. one administrative exempt employee, nominated by vice presidents in consultation with the university president;
e. one classified staff employee, nominated by the classified staff union president
f. two students, nominated by the ASEWU president
g. one Academic Affairs representative
h. one Business and Finance representative
i. one Student Affairs representative
j. one International Affairs representative
k. three ethnic program representatives
l. one women’s studies representative
m. one Pride Center representative
n. one Disability Support Services representative

The president may appoint the director of Equal Opportunity and Affirmative Action as the committee chair. In such cases, the president shall also appoint another employee to serve on the committee.

3. Terms
Committee members shall be appointed for varying terms of 1–3 years. Members may be appointed to shorter terms for the purpose of staggering ending dates of individual terms. Committee members may also be re-appointed.

4. Voting
Seven voting members of the committee constitute a quorum. The committee chair may not vote except as needed to break a tie.

5. Ex Officio Committee Members
Ex officio members of the committee include, but are not limited to:
a. university president or designee
b. provost or designee
c. ASEWU Diversity Outreach Representative
d. IRB director

6. Responsibilities
The specific responsibilities of the committee include:
a. review and assess the campus climate and current university programs and initiatives relative to advancing diversity efforts;
b. recommend policies, strategies, programs, and activities involving which support the diversity goals and requirements of EWU;
EWU Policy 104–01 • June 22, 2011;
c. encourage members of the campus community to develop specific action solutions that will enhance and advance diversity efforts at Eastern;
d. promote programs and efforts designed to advance diversity efforts;
e. develop and implement ideas and strategies relevant to issues of diversity;

7. Committee Chair Responsibilities
a. Meetings: Each year, the chair of the committee will develop a regular schedule for meetings. The schedule will be distributed to committee members and to members of the executive committee. The current meeting schedule will also be maintained on the president’s diversity committee website.
Minutes: The committee chair will provide minutes of the meetings to committee members and to members of the executive committee. Minutes will also be maintained on the president’s diversity committee website.

8. References
a. UGS Policy 600–090–025, Diversity Policy
b. EWU Board of Trustees Diversity Initiative Plan, approved April 5, 2002.
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