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 & Information Security (4)
CSCD 305 C++ Programming (4)
CSCD 306 .NET Programming (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 Game Development (4)
CSCD 487 Human Computer Interface (4)
CSCD 495 Internship (two 4–5 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 (4–5) prior departmental approval of topic content is required.

Group B
Must choose at least one course from the following list:
BIOL 173 Biology III (4)
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 (1)
   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