Computer Information Systems

Elective Courses

Two additional electives:

- CSCD 303 Computer & Information Security (4)
- CSCD 305 C++ Programming (4)
- CSCD 306 .NET Programming (4)
- CSCD 316 Practical Problem Solving (2, 2)\(^1\)
  - CSCD 378 Web Application Development
  - or
  - CSCD 379 .NET Web Application Development (4) \(^2\)
- CSCD 409 Scientific Programming (4)
- CSCD 416 3D Modeling & Animation II (4) \(^3\)
- CSCD 417 3D Modeling & Animation III (4)
- CSCD 418 3D Modeling & Animation IV (4)
- CSCD 420 Automata (4)
- CSCD 421 Automata & Languages (4)
- CSCD 422 Compiler Design (4)
  - CSCD 427 Advanced Database Systems (4)
  - or
  - CSCD 429 Data Mining (4) \(^2\)
- CSCD 433 Advanced Network Concepts (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 454 Design Patterns (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 487 Human Computer Interface (4)
- CSCD 495 Internship (two 4-5 credit internships are allowed)
- CSCD 396, 398, 399, 3xx, 439, 496, 498, 499, 4xx (4-5) prior departmental approval of topic content is required.

Note:

\(^1\) CSCD 316 must be taken twice for 4 credits to be counted as an elective
\(^2\) Whichever course was not used to fulfill a requirement may be used as an elective
\(^3\) CSCD 216 is a prerequisite