2013 Program Electives

Foundations

Four additional elective courses.

- CSCD 303 Computer & 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 iPhone 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 & Animation II (4)\(^2\)
- CSCD 417 3D Modeling & Animation III (4)
- CSCD 418 3D Modeling & Animation IV (4)
- CSCD 420 Automata (4)
- CSCD 421 Automata and Languages (4)
- CSCD 422 Compiler Design (4)
- CSCD 427 Database Programming (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 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)\(^3\)
- 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.

Notes:

No course may be used to satisfy both an elective and an advanced coursework requirement

\(^1\) CSCD 316 must be taken twice for 4 credits to be counted as an elective

\(^2\) CSCD 216 prerequisite

\(^3\) CSCD 470 prerequisite

3/13/14