2009 Program Electives

Computer Science

Elective Courses
Five additional elective courses (or elective courses plus labs--see note in Group B). Select at least one course from Group A and at least two courses or sets from Group B.

Group A
- CSCD 305 C++ Programming (4)
- CSCD 306 .NET Programming (4)
- CSCD 378 Web Programming (4)
- CSCD 379 Advanced Web Programming (4)
- CSCD 416 3D Modeling & Animation II (4)
- CSCD 417 3D Modeling & Animation III (4)
- CSCD 418 3D Modeling & Animation IV (4)
- CSCD 435 Principles of Programming Languages (4)
- CSCD 437 Secure Coding (4)
- CSCD 443 Distributed Multiprocessing Environments (4)
- CSCD 474 Computer Game Development (4)
- CSCD 476 Advanced 3D Modeling & Animation Topics (4)
- CSCD 479 Web Programming-Security (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 (3-5) prior departmental approval of topic content is required.

Group B
Must choose at least 10 credits from the following list: two 5 credit classes, or 4 credit classes plus labs

Any 5 credit course or set that satisfies a natural science GECR
- CSCD 309 Scientific Computing (4)
- CSCD 310 Discrete Structures (4)
- CSCD 409 Systems Modeling (4)
- GEOL 122 Historical Geology (5)
- MATH 163 Calculus III (5)
- MATH 241 Calculus IV (5)
- MATH 245 Numerical Analysis I (4)
- MATH 347 Introductory Differential Equations (4)
- MATH 360 Continuous Functions (4)
- MATH 386 Applied Statistics (4)
- MATH 431 Introduction to Modern Algebra (4)
- PHIL 301 Introduction to Formal Logic (5)
Other Course with prior approval of the department required)

Labs to combine with four-credit class for the 5 required credits
- MATH 107 (1) can be used only once
- MATH 207 (1) can be used only once
- MATH 307 (1) can be used only once
- MATH 407 (1) can be used only once

Note when choosing your Group B electives: In order to satisfy general education requirements you must take natural sciences in two different subject areas. The required sequence plus one other science (in a different subject) will satisfy 3 GECRs.