



COES
Technical Electives
and
Graduate Courses
2010-2011

**COMPUTING/
MODELING**

Fall Quarter

CSC 428 - Obj. Orient Programming/Data Structures*

CSC 475 - Artificial Intelligence

CSC 486/557 - Biocomputing

STAT 405 - Statistical Methods

ENGR 541/PHYS 470/510 - Math Methods

MATH 414 - Numerical Analysis

MATH 587 - Spectral & Control Theory

Winter Quarter

CSC 438 - Adv. Data Structures/Algorithms*

CSC 469/585 - High Performance Computing

CSC 493/579 - Data Mining for Bioinformatics

CSC 520 - Adv. Analysis of Algorithms and Complexity

CSC 586 - Adv. Biocomputing

MEEN 497 - Finite Element Methods

MEEN 571 - Adv. Engineering Dynamics

PHYS 540 - Computational Methods I

Spring Quarter

CSC 521 - Adv. Computer Architecture

CSC 581 - Parallel Algorithms

CSC 479/570 - Adv. Computer Graphics

CMEN 420 - Nanosystems Modeling

MATH 405/505 - Linear Algebra II

MATH 574 - Numerical PDE

PHYS 470/541 - Computational Methods II

STAT 405 - Statistical Methods

STAT 652 - Stochastic Processes

* for non-CS majors (CAM)