Computer Engineering Minor
Curriculum Chart
2011-2012

MATH

- MATH 19A
  Calculus

- MATH 19B
  Calculus

- AMS 20A or 20*
  Math Methods Eng. II

- CMPE 16
  Discrete Math

- MATH 24*
  Differential Equations

*Requires one additional mathematics course as a prerequisite

CORE COURSES

- CMPE 13/L
  Computer Systems & C Programming (Recommended)
  OR
  CMPS 12A/L
  Intro to Programming

- CMPS 12B/M
  Data Structures

- CMPS 101
  Abstract Data Types & Algorithms

- CMPE 12/L
  Computer Systems & Assembly Language

- CMPE 100/L
  Logic Design

- CMPE 110
  Computer Architecture

- CMPE 118/L
  Intro to Mechatronics
  OR
  CMPE 121/L
  Micro Systems

- EE 101/L
  Electronics

SCIENCE

- PHYS 5A/L or 6A/L
  Mechanics

- PHYS 5C/N or 6C/N
  Electricity & Magnetism

The computer engineering minor provides a solid foundation in digital hardware, electronics, and computer software, as well as the prerequisite material in mathematics and physics. The minor is well-suited to students who wish to take part in the design of computer and embedded systems in any discipline. Course 118/L, Introduction to Mechatronics and Laboratory or course 121/L, Microprocessor System Design and Laboratory, provides a capstone engineering design experience for students pursuing the computer engineering minor.
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STUDENT'S NAME:

STAFF ADVISOR:

FACULTY ADVISOR: