

Computer Engineering Minor 2015-2016 Curriculum Chart

Math

MATH 19A
Calculus

AMS 20A or 20*
Engr. Math Methods II

OR

MATH 24*
Differential Equations

MATH 19B
Calculus

CMPE 16
Discrete Math

**Requires one additional mathematics course as a pre-requisite.*

Core Courses

CMPE 13/L*
Computer Systems &
C Programming
OR
CMPS 12A/L
Intro to Programming
OR
CMPS 5J & 11
Programming in Java

CMPE 12/L
Computer Systems &
Assembly Language

EE 101/L
Electronics

CMPE 100/L
Logic Design

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

CMPS 12B/M
Data Structures

CMPE 110
Computer
Architecture

CMPS 101
Abstract Data Types &
Algorithms

**CMPE 13/L is strongly recommended.*

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. Computer Engineering 118/L, *Introduction to Mechatronics and Laboratory* or Computer Engineering 121/L, *Microprocessor System Design and Laboratory* provides a capstone engineering design experience for students pursuing the computer engineering minor.

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Fall _____	Winter _____	Spring _____	Summer _____

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Student Name:

Staff Advisor:

Faculty Advisor: