School of Engineering
COMPUTER SCIENCE BS CURRICULUM CHART
1999-2000

COMPLETE EITHER
2 PHYS + Labs OR 2 CHEM + Labs

**PHYS 6A/6L Intro. to Physics I (F)

**PHYS 6B/6M Intro. to Physics II (W) OR
**PHYS 6C/6N Intro. to Physics III (S)

CMPE 16
Discrete Math (F, W, S)

CMPS 12A
CMPS 12B
Data Structures (F, W, S)

CMPS 12C/L
Computer Org. (F, W, S)

Math 19A
MATH 19B
Calculus (F, W, S)

Math 19A
MATH 19B
Calculus (F, W, S)

Math 22
Multivariable Calculus (F, W, S)

Math 22 or Math 23A
MATH 27
Engineering Math (F, W, S)

CMPS 101
Abs. Data Types (F, W, S)

CMPS 102
Analysis of Algorithms (S)

CMPS 104A
Compiler Design (F, W)

CMPS 104A
Operating Systems (F, S)

CMPS 104A
Compar. Program Langs (W)

CMPS 101
CMPS 130
Comput. Models (F)

CMPS 12C/L, CS 101
CMPS 107
Comp. Architecture (W, S)

CMPS 101 or Math 100
CMPE 1016
Math Methods (F, W, S)

CMPS 102
CMPS 102D
Logic Design (F, W, S)

CMPS 102
CMPS 102D
Logic Design (F, W, S)

CMPS 102
CMPS 102D
Logic Design (F, W, S)

CMPS 102
CMPS 102D
Logic Design (F, W, S)

Advisory only. For specific requirements see Engineering Advisor. Course number, content, and prerequisites may have changed.

Select 4 CMPE/CMPS electives from the Theory and Practice course lists. At most, only one elective may be substituted by an upper-division Math course from the Theory course list.

Upper Division CMPE/CMPS
F, W, S

Upper Division CMPE/CMPS
F, W, S

Upper Division CMPE/CMPS
F, W, S

Upper Division CMPE/CMPS
F, W, S

* = Course Prerequisite  * = Not offered 1999-00  ‡ = Comp Exam Course
** = Physics 5 series (intended for Physics majors) can be substituted  # = or any math course numbering in the 20s