School of Engineering
COMPUTER SCIENCE BS CURRICULUM CHART
2001-2002

- Math 19A placement or Math 11A or 3 CMPS 12A Intro. to Prog.
  - CMPS 12A CMPS 12B Data Structures
  - CMPS 12B CMPE 12C/L Computer Org.
    - Math 19A placement or Math 11A or 3 CMPE 16 Discrete Math
      - CMPE 16, CMPS 12B, CMPE 110† Comp. Architecture
    - CMPE 16, CMPS 12B, Math 19B, #Math 27 CMPS 101† Abs. Data Types
  - Math 19A MATH 19B Calculus
    - Math 19A (Co-requisite) **PHYS 6A/6LIntro. to Physics I
      - Phys 6AL **PHYS 6B/6M Intro. to Physics II OR Phys 6AL **PHYS 6C/6N Intro. to Physics III
      - Chem 1A CHEM 1B/1M General Chemistry
        - Chem 1B/M CHEM 1C/1N General Chemistry
        - Phys 6AL **PHYS 6B/6M Intro. to Physics II OR Phys 6AL **PHYS 6C/6N Intro. to Physics III
      - CMPS 101 or Math 100 ENGR 131 Intro. Prob. Theory
    - Math 22 or Math 23A ENGR 27 Engineering Math
      - CMPE 101 or CMPS 104A CMPS 112† Comp. Prog. Langs.
      - CMPS 104A CMPS 111† Operating Systems
      - CMPS 102† Analysis of Algorith.
        - CMPS 101, CS 101 CMPS 104A† Compiler Design I
        - CMPS 101, CS 101 CMPS 110† Computat. Models
        - CMPS 104A CMPS 112† Comp. Prog. Langs.
        - CMPS 101 or Math 100 ENGR 131 Intro. Prob. Theory

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
Upper Division CMPE/CMPS
Upper Division CMPE/CMPS
Upper Division CMPE/CMPS

*= Course Prerequisite t= Comp Exam Course
**= Physics 5 series (intended for Physics majors) can be substituted # = or any math course numbering in the 20s

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

Revised 7.11.01
# COMPUTER SCIENCE
## BS DEGREE CURRICULUM
### 2001-2002

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### Theory List
- CMPS 102 †
- CMPS 130 †
- CMPS 132 †
- CMPS 150
- CMPE 107 †
- CMPE 108
- CMPE 153
- CMPE 177
- ENGR 131
- ENGR 146
- ENGR 147
- ENGR 150
- MATH 115
- MATH 117
- MATH 129
- MATH 146
- MATH 148

### Practice List
- CMPS 104A †
- CMPS 104B †
- CMPS 109 (as of '00-'01)
- CMPS 111 †
- CMPS 112 †
- CMPS 115 †
- CMPS 116
- CMPS 140 †
- CMPS 160 †
- CMPS 161
- CMPS 180 †
- CMPS 190X
- CMPS 204
- CMPE 100/L †
- CMPE 110 †
- CMPE 117
- CMPE 121/L †
- CMPE 123/L
- CMPE 129/L
- CMPE 152
- CMPE 155

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**STUDENTS NAME:**

**STAFF ADVISOR:**

**FACULTY ADVISOR’S APPROVAL:**

3/11/02