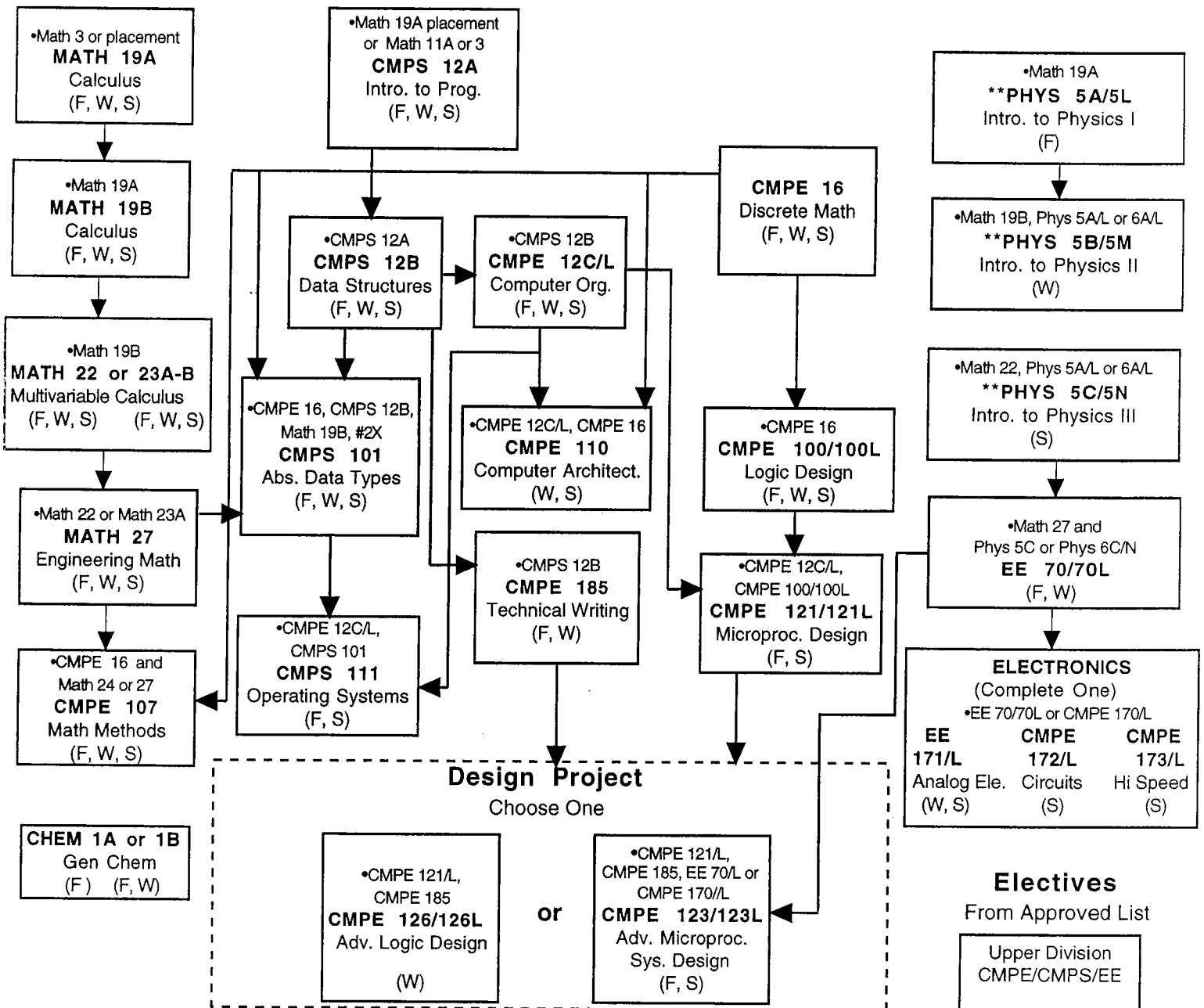


**School of Engineering**  
**COMPUTER ENGINEERING CURRICULUM CHART**  
 2000-2001



- Engineering Science**  
 Complete one of the following which is not used for another requirement:
- |   |   |  |
|---|---|--|
| <input type="checkbox"/> CMPE 108 (S)<br>Data Comp                | <input type="checkbox"/> CMPE 152 (F)<br>Comp Networks        | <input type="checkbox"/> CMPE 153 (W)<br>Signal Processing     |
| <input type="checkbox"/> CMPE 172/L (S)<br>Linear/Nonlinear Circ. | <input type="checkbox"/> CMPE 173/L (S)<br>High Speed Digital | <input type="checkbox"/> CMPE 177 (W)<br>App. Graph Thy.       |
| <input type="checkbox"/> EE 103 (F)<br>Signals & Systems          | <input type="checkbox"/> EE 151 (W)<br>Comm. Systems          | <input type="checkbox"/> EE 145/L (S)<br>Prop. of Materials    |
|   |   | <input type="checkbox"/> EE 171/L (W, S)<br>Analog Electronics |
- Most graduate courses are also acceptable with dept. approval

**Depth in One Area of Humanities or Social Sciences** (from Gen. Ed. requirements) may be satisfied with two related lower-division courses, or one upper-division course.

Area: \_\_\_\_\_ Course (s): (LD) \_\_\_\_\_ / (LD) \_\_\_\_\_ (UD) \_\_\_\_\_

Faculty Adviser Approval: \_\_\_\_\_ **Advisory only. For specific requirements see Engineering Advisor.**  
**Course #, content, and prerequisites may have changed.**

• = Course Prerequisite  
 # = any math course numbered in the 20s  
 \*\* = Physics 6 series can be substituted

COMPUTER ENGINEERING  
DEGREE CURRICULUM  
2000-2001

| Fall _____ | Winter _____ | Spring _____ | Summer _____ |
|------------|--------------|--------------|--------------|
|            |              |              |              |

| Fall _____ | Winter _____ | Spring _____ | Summer _____ |
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| Fall _____ | Winter _____ | Spring _____ | Summer _____ |
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**Approved List of Upper Division Electives**

- |   |  |  |
|---|--|--|
| CMPE 108 Data Compression<br>CMPE 123 Adv. Micro. System Design<br>CMPE 123L Adv. Micro. System Des. Lab<br>CMPE 126 Adv. Logic Design<br>CMPE 127 Comp.-Aided Synth. of VLSI<br>CMPE 152 Intro. to Computer Networks<br>CMPE 172 Linear/Nonlin. Circuits<br>CMPE 172L Linear/Nonlin. Circuits Lab<br>CMPE 173 High Speed Digital Design<br>CMPE 173L High Speed Digital Des. Lab<br>CMPE 177 Applied graph Theory/Algor. | CMPS 102 Analysis of Algorithms<br>CMPS 104A Compiler Design I<br>CMPS 104B Compiler Design II<br>CMPS 109 Advanced Programming<br>CMPS 112 Comparative Prog. Langs.<br>CMPS 115 Software Methodology<br>CMPS 130 Computational Models<br>CMPS 132 Computability and Compl.<br>CMPS 140 Artificial Intelligence<br>CMPS 150 Info. & Comm. Theory<br>CMPS 160 Computer Graphics<br>CMPS 180 Database Systems<br>CMPS 190X Methods of Cryptography | EE 103 Signals and Systems<br>EE 135 Electro. Fields and Waves<br>EE 135L Electro. Fields and Waves<br>EE 136 Engr. EM<br>EE 145 Properties of Materials<br>EE 145L Properties of Materials Lab<br>EE 151 Communications Systems<br>EE 153 Signal Processing<br>EE 154 Feedback Control Systems<br>EE 171 Analog Electronics<br>EE 171L Analog Electronics Lab<br>EE 178 Device Electronics<br>ENGR 146 Discrete Dynamical Systems<br>ENGR 147 Computational Methods and Applic.<br>ENGR 181 Bayesian Statistics |
|---|--|--|

Any 5-Credit CS, CE, or EE Graduate Course

CMPE 265A & CMPE 265B Special Topics in Image Processing

At most, one elective may be substituted by an upper-division individual or field study (CMPE, CMPS, EE 193 or 198).

Student's Name:

Staff Advisor:

Faculty Advisor's Approval: