Tentative
School of Engineering
ELECTRICAL ENGINEERING CURRICULUM CHART
1998-99

MATH 19A
Calculus
(F, W, S)

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

MATH 22 or 23A -B
Multivariable Calculus
(F, S)

MATH 27
Engineering Math
(F, W, S)

CMPS 12A
Intro. to Prog.
(F, W, S)

EE 17
Discrete Math/
Linear System
(W)

Chem 1A
CHEM 1B
General Chemistry
(F, W)

• Math 19A
PHYS 5A/5L or 6A/6L
Intro. to Physics I
(W)

• Math 19B,Phys 5A/L or 6A/L
PHYS 5B/5M or 6B/6M
Intro. to Physics II
(S)

• Math 22, Phys 5A/L or 6A/L
PHYS 5C/5N or 6C/6N
Intro. to Physics III
(F)

[* = Course Prerequisites]

Elective Requirements
In addition to the above required courses, majors must complete four additional elective courses: three elective
courses from the list below - at least two must be from one of the depth sequence tracks listed; plus one
comprehensive senior design project course. Certain graduate-level courses can also be used to fulfill an elective
requirement with departmental approval.

<table>
<thead>
<tr>
<th>ELECTRONICS TRACK:</th>
<th>COMMUNICATIONS TRACK:</th>
<th>SYSTEMS &amp; CONTROLS THEORY:</th>
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<tbody>
<tr>
<td>EE VLSI Design</td>
<td>EE 151 Communications Systems</td>
<td>EE Control Systems</td>
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<tr>
<td>EE Device Electronics</td>
<td>CMPE 152 Computer Networks</td>
<td>EE Telemetry</td>
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<tr>
<td>EE Linear &amp; Nonlinear Systems</td>
<td>CMPE 153 Digital Signal Processing</td>
<td>EE Instrumentation</td>
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<tr>
<td>CMPS 150 Information Theory</td>
<td>CMPE 100/100L Logic Design</td>
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Senior Design Project

Senior projects encompass an in-depth project requiring the students to call upon knowledge acquired
throughout their undergraduate studies, including analysis, design, testing and documentation.
Students must complete one project course.

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(12): (LD) (LD) (LD)

E. W. S. E. W. S. E. W. S. Revised 5/6/99

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