ELECTRICAL ENGINEERING/ENGINEERING PHYSICS/ ELECTRICAL ENGINEERING & SOCIETY 2014-2015

<table>
<thead>
<tr>
<th>FALL</th>
<th>WINTER</th>
<th>SPRING</th>
<th>SUMMER</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

MAJOR REQUIREMENTS
PLEASE NOTE: All courses used to satisfy major requirements must be taken for a LETTER GRADE.

Lower Division Requirements
☐ CHEM 6A (General Chemistry I)
☐ PHYS 2A (Mechanics)
☐ PHYS 2B (Electricity and Magnetism)
☐ PHYS 2C (Flu, Wav, Thrmdyn, Optics)
☐ PHYS 2D (Relativity & Quantum)

EP Majors only: ☐ PHYS 2DL

EE & Society Majors only:
☐ 2 courses in Social Sciences/Humanities

☐ ECE 15 (Engineering Computation)
☐ ECE 25 (Intro to Digital Design)
☐ ECE 30 (Intro to Computer Eng)
☐ ECE 35 (Intro to Analog Design)
☐ ECE 45 (Circuits & Systems)
☐ ECE 65 (Components & Circuits Lab)

Upper Division Requirements
☐ ECE 100 (Linear Electronic Systems)
☐ DEPTHS: EE Majors: 5 courses
☐ ECE 101 (Linear Systems Fundamentals)
☐ ECE 102 (Intro Active Circuit Design)
☐ ECE 103 (Fundamentals/Devices & Matrls)
☐ ECE 107 (Electromagnetism)
☐ ECE 109 (Eng. Probability & Stats)

EP Majors: 7 courses
☐ MATH 110A ☐ PHYS 110A ☐ PHYS 130A ☐ PHYS 130B ☐ PHYS 140A
☐ ☐ ☐ ECE 123 & 166 or ECE 135A & 135B or ECE 182 & (181 or 183)

EE & Society Majors: 6 courses
☐ ☐ ☐ ☐ ☐ ☐

☐ Design Course: ECE 111, 118, 191, or 190

ELECTIVES:
EE Majors: 3 Professional ☐ ☐ ☐
and 4 Technical ☐ ☐ ☐ ☐ ☐

EP Majors: 3 Professional ☐ ☐ ☐ ☐
and 2 Technical ☐ ☐

EE & Society Majors: 4 Technical ☐ ☐ ☐ ☐

ELECTRICAL ENGINEERING DEPTH SEQUENCES:
Communication Systems: ECE 153, ECE 154A, ECE 154B, ECE 154C, and ECE 158A
Students must select an upper division ECE course to satisfy the 5th Depth course in the following sequences:
Electronics Circuits & Systems: ECE 163, 164, 165, 166
Electronic Devices & Materials: ECE135A, ECE 135B, ECE 136L, ECE 183
Machine Learning & Controls: ECE 171A, ECE 174, ECE 175A, one of ECE 171B, ECE 172A, or ECE175B
Photonics: ECE 181, ECE 182, ECE 183 and either ECE 184 or ECE 185
Signal and Image Processing: ECE 183, ECE 186A, ECE 186B, ECE 186C
Computer System Design: CSE 141, ECE 165 and any two of ECE 118, ECE 158A, ECE 111 or CSE 143

Engineering Physics Majors: PHYS 2DL and PHYS 130A have prerequisites that are not listed as part of the major requirements. PHYS 2DL requires PHYS 2BL or 2CL. PHYS 130A requires 100B and 110A. PHYS 100B requires PHYS 100A and 105A. The upper division prerequisites can be applied towards elective requirements.