### Pre-Major Status

<table>
<thead>
<tr>
<th>Term &amp; Sequence</th>
<th>Admission</th>
<th>General Education Notes</th>
<th>Course and Major Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall 14 hrs</td>
<td>Pre-requisite</td>
<td>A cumulative GPA of 2.75 (or 2.5 with transcript review) is required in bold-bordered courses to be eligible for Major Status, min grade C in ea., best attempt used for calculation.</td>
<td>Max 2 attempts allowed in req. courses. Unless noted, min grade C in math, science, engineering, and major/specialization courses.</td>
</tr>
<tr>
<td>Spring 14 hrs</td>
<td>Co-requisite</td>
<td>Requires Major Status, max two classes may be taken as pre-major</td>
<td>1. Course requires a min grade B</td>
</tr>
<tr>
<td>Fall 15 hrs</td>
<td>Pre-requisite</td>
<td></td>
<td>2. If transferring PHY2049/L, EEL 3472C will apply as EE elective and lab.</td>
</tr>
</tbody>
</table>
| Spring 14 hrs | Co-requisite | | **Legend:**

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<td>Fall 15 hrs</td>
<td></td>
<td></td>
<td><strong>NOTE:</strong> This flow chart is provided as a guide; the catalog is the definitive source of requirements.</td>
</tr>
</tbody>
</table>
TRACK ELECTIVES

1. Bioelectrical Systems
   a. EEE 4506 Biomedical Image Processing (3)
   b. EEL 4935 Modern BioMed Technologies (3)
   c. EEL 4935 Bioelectronics (3)
   d. EEL 4935 Biomedical Image Processing (3)

2. Communication Systems
   a. EEE 4305 Communications Electronics (3)
   b. EEL 4595 Mobile and Personal Communication (3)
   c. EEL 4727C Digital Signal Processing with Field Programmable (3)
   d. EEL 4756 Digital Signal Processing (3)
   e. EEL 4936 Wireless Communications Lab

3. Energy, Power and Sustainability
   a. EEL 4283 Sustainable Energy (3)
   b. EEL 4935 Power Quality (3)
   c. EEL 4925 Power System Analysis (3)
   d. EEL 4935 Energy Delivery Systems (3)
   e. EEL 4936 Power Electronics (3)
   f. EEE 3302 Electronics I (3)
   g. EEL 4936 Power Systems II (3)

4. Mechatronics, Robotics and Embedded Systems
   a. EEL 4744 Microprocessor Principles and Applications (3)
   b. EEE ### Mechatronics for Innovation (3)
   c. EEE ### Embedded Systems (3)
   d. EEL 4657L Linear Control Systems Laboratory (1)
   e. EEL 4743L Microprocessor Laboratory (1)

5. Micro and Nano-scale Systems
   a. EEE 3302 Electronics I (3)
   b. EEE 4301 Electronics II (3)
   c. EEL 4567 Electro-Optics (3)
   d. EEE 4274 MEMS I: Chemical/Biomedical Sensors and Microfabrication (3)
   e. EEE 5356 Integrated Circuit Technology (3)
   f. EEL 4935 Analog CMOS/VLSI Design
   g. EEE 5344C Digital CMOS/VLSI Design (3)
   h. EEE 5382 Physical Basis of Microelectronics (3)

6. Wireless Circuits and Systems
   a. EEL 4420 RF & Microwave Measurements (3)
   b. EEL 4421 RF/Microwave Circuits I (3)
   c. EEL 4422 RF/Microwave Circuits II (3)
   d. EEL 4461 Antenna Theory (3)