<table>
<thead>
<tr>
<th>FALL</th>
<th>SPRING</th>
<th>SUMMER 1</th>
<th>SUMMER 2</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Year 1</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MATH1341</td>
<td>Calculus 1 for Engrs.</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>CHEM1351</td>
<td>General Chem. for Engrs.</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>GE 1501</td>
<td>Cornerstone of Eng’g. 1</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>GE 1000</td>
<td>Intro. to Eng’g.</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>EGNW1111</td>
<td>College Writing</td>
<td>4</td>
<td>3</td>
</tr>
<tr>
<td><strong>Year 2 (AA)</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BIOE2365</td>
<td>BioE Meas. Exp. &amp; Stats.</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>BIOL1115</td>
<td>Lab for BIOE2365</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>BIOE1116</td>
<td>Biology for Engineers</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>BIOE2364</td>
<td>Lab for BIOE1115</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>GE 2361</td>
<td>Math. Methods for Engrs</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>GE 2362</td>
<td>Phys. 2 for BioE</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>HIS1176</td>
<td>ILS for PHYS1175</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>HIS177</td>
<td>Lab for PHYS1175</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td><strong>Year 2 (BB)</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>GE 2362</td>
<td>Intro to Engg. Co-op</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>BIOE2365</td>
<td>BioE Meas. Exp. &amp; Stats.</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>BIOE2364</td>
<td>Lab for BIOE2365</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>GE 2361</td>
<td>Math. Methods for Engrs</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>GE 2362</td>
<td>Phys. 2 for BioE</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>HIS1176</td>
<td>Lab for BIOE1115</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>HIS177</td>
<td>Lab for PHYS1175</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td><strong>Year 3 (AA)</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BIOE3310</td>
<td>Biotechnology</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>BIOE3380</td>
<td>Transport &amp; Fluids</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>GE 3315</td>
<td>Elective</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>BIOE3307</td>
<td>Transport &amp; Fluids</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>BIOE3307</td>
<td>Elective</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>BIOE3310</td>
<td>Elective</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td><strong>Year 3 (BB)</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BIOE2365</td>
<td>Biomaterials</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>BIOE2366</td>
<td>Quant. Physiology for BioE</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>CHEM2311</td>
<td>Org. Chem 1</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>CHEM2312</td>
<td>Lab for CHEM2311</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>Elective</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td><strong>Year 4 (AA)</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BIOE3300</td>
<td>Prof. Issues in Engg.</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>BIOE3307</td>
<td>Elective</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>BIOE3307</td>
<td>Elective</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>BIOE3307</td>
<td>Elective</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>BIOE3307</td>
<td>Elective</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td><strong>Year 4 (BB)</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BIOE4790</td>
<td>Elective</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>BIOE4790</td>
<td>Elective</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>BIOE4790</td>
<td>Elective</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>BIOE4790</td>
<td>Elective</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td><strong>Year 5 (AA)</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BIOE4790</td>
<td>Elective</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>BIOE4790</td>
<td>Elective</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>BIOE4790</td>
<td>Elective</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>BIOE4790</td>
<td>Elective</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td><strong>Year 5 (BB)</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BIOE3307</td>
<td>Elective</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>BIOE3307</td>
<td>Elective</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>BIOE3307</td>
<td>Elective</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>BIOE3307</td>
<td>Elective</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>BIOE3307</td>
<td>Elective</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>BIOE3307</td>
<td>Elective</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>BIOE3307</td>
<td>Elective</td>
<td>4</td>
<td>4</td>
</tr>
</tbody>
</table>

* ENGW3302 is an acceptable substitution. Students may take ENGW 3302 or ENGW 3315 to fulfill their Advanced Writing in the Technical Professions requirement.

**Nupath Requirements**
Interpreting Culture (IC), Societies and Institutions (SI), and Differences and Diversity (DD) are not explicitly satisfied by required engineering courses. Students are responsible for satisfying these requirements, and if these are not fulfilled in engineering courses, should use General Electives to do so. General Electives are academic, non-remedial, non-repetitive courses.

**BIOE Concentrations:**
Bioimaging & Signal Processing, Cell & Tissue Engineering, Biomechanics, or Biomedical Devices.

**BIOE Electives** are used to fulfill the concentration. Total of 5 courses (3 required, 2 electives from approved list)

Please consult with your Academic Advisor, found [here](#).

The registrar’s website provides a listing of degree requirements and the DARS system provides a degree audit utility for students.