Plan of Study

All students will complete the following Gordon Engineering Leadership coursework, the Bioengineering core coursework, and one of the Bioengineering concentrations.

Required GIEL Coursework (16 semester-hours)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENLR 5121</td>
<td>Engineering Leadership 1</td>
<td>2</td>
</tr>
<tr>
<td>ENLR 5122</td>
<td>Engineering Leadership 2</td>
<td>2</td>
</tr>
<tr>
<td>ENLR 5131</td>
<td>Scientific Principles of Engineering 1</td>
<td>2</td>
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<tr>
<td>ENLR 5132</td>
<td>Scientific Principles of Engineering 2</td>
<td>2</td>
</tr>
<tr>
<td>ENLR 7440</td>
<td>Engineering Leadership Challenge Project 1</td>
<td>4</td>
</tr>
<tr>
<td>ENLR 7442</td>
<td>Engineering Leadership Challenge Project 2</td>
<td>4</td>
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</table>

See next page for Bioengineering core coursework and concentration coursework options.
Bioengineering Core Coursework (5 semester-hours)

BIOE 7390  Seminar  0
BIOE 6100  Medical Physiology  4
BIOE 6000  Principles of Bioengineering  1

Bioengineering Concentration Options:

Biomedical Devices and Bioimaging (12 semester-hours)

BIOE 5235  Biomedical Imaging  4
BIOE 5250  Design, Manufacture, and Evaluation of Medical Devices  4
BIOE 5810  Design of Biomedical Instrumentation  4

Cell and Tissue Engineering (12 semester-hours)

BIOE 5410  Molecular Bioengineering  4
BIOE 5420  Cellular Engineering  4
Elective  4

Biomechanics Concentration (12 semester-hours)

ME 5665  Musculoskeletal Biomechanics  4
BIOE 5650  Multiscale Biomechanics  4
Elective  4

Total Semester Hours Required: 33