All courses for the minor in bioengineering (BNG) must be passed with a grade of C or higher.

Completion of the minor requires 21-23 credits:

### Required Courses for each Track

<table>
<thead>
<tr>
<th>Course</th>
<th>Course Title</th>
<th>Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>BME 100</td>
<td>Introduction to Biomedical Engineering</td>
<td></td>
</tr>
<tr>
<td>ESG 111, ESE 124, or CSE 130</td>
<td>C-Programming for Engineers</td>
<td></td>
</tr>
</tbody>
</table>

#### UPPER DIVISION COURSES

- One Advanced Biology Lecture Course
- One Advanced Biology Laboratory Course

#### Specialization Tracks

### Biomaterials/Biomechanics

- MEC 260 Engineering Statistics
- BME 303 Biomechanics
- AMS 261, MAT 203, OR MAT 205 CALCULUS III
- BME 304 or BME 381 H Genetic Engineering or Nanofabrication in Biomedical Applications

### Bioelectricity

- ESE 271 Electrical Circuit Analysis I
- BME 301 Bioelectricity
- AMS 210 or MAT 211 Linear Algebra
- BME 313 Bioinstrumentation

### Molecular/Cellular

- BME 304 H- Genetic Engineering Cleared (All requirements completed)
- BME 381 Nanofabrication in Biomedical Applications Not Cleared

#### Pick Two:

- BME 404 Essentials of Tissue Engineering
- BME 402 Contemporary Biotechnology
- BME 371 Biological Microfluids