## Bachelor of Science

### Biomedical Engineering Curriculum Flow Chart

**Students Planning on Graduating in Spring 2023**

### Assuming the courses below are completed:

- **CHEM 105 (3) and CHEM 106 (2)** General Chemistry I
- **CHEM 109 (4)** General Chemistry II
- **PHYS 231 (5)** University Physics I
- **PHYS 232 (5)** University Physics II
- **MATH 114 (4)** Calculus 1
- **MATH 215 (4)** Calculus 2
- **MATH 312 (4)** Differential Equations and Linear Algebra
- **BIOL 221 (4)** Foundations of Biology I
- **BIOL 214 (4)** Human Anatomy and Phys 1 w/lab
- **BIOL 314 (4)** Human Anatomy and Phys 2 w/lab

### Courses Schedule

<table>
<thead>
<tr>
<th>Fall 2021</th>
<th>Spring 2022</th>
<th>Fall 2022</th>
<th>Spring 2023</th>
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<tbody>
<tr>
<td><strong>MSE 386 (1)</strong> Junior Seminar (See note below)</td>
<td><strong>MSE 256 (1)</strong> Intro to CAD</td>
<td><strong>BME 486 (2)</strong> Capstone 1</td>
<td><strong>BME 487 (2)</strong> Capstone 2</td>
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<tr>
<td><strong>MSE 286 (1)</strong> Sophomore Seminar</td>
<td><strong>MSE 307 (4)</strong> Engineering Statistics</td>
<td><strong>BME 430 (4)</strong> Cell and Tissue Engineering w/lab</td>
<td>Engineering Elective (3)</td>
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<td><strong>MSE 320 (2)</strong> Intro to Engineering</td>
<td><strong>Phys 240 (3)</strong> Computational Physics</td>
<td><strong>BME 340 (3)</strong> Biomedical Systems</td>
<td><strong>BME 460 (3)</strong> Biological Systems</td>
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<td><strong>BME 301 (3)</strong> 3D Printing in Medicine w/lab</td>
<td><strong>BME 320 (3)</strong> Biomedical Engineering</td>
<td><strong>BME 450 (5)</strong> Medical and Implantable Devices w/lab</td>
<td><strong>BME 370 (3)</strong> Medical Imaging</td>
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<td><strong>BME 201 (2)</strong> Intro to Biomedical Engineering</td>
<td><strong>BME 330 (4)</strong> BME Instruments and Measurements w/lab</td>
<td><strong>BME 386 (1)</strong> Junior Seminar (See note below)</td>
<td><strong>BME 306 (1)</strong> Technical/Engineering Elective (3)</td>
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</table>

**Note:** The semester a student takes MSE 386 begins the Engineering Tuition rates. This course should be taken the fourth semester before graduation.

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**University of Wisconsin-Eau Claire** Materials Science and Biomedical Engineering

https://www.uwec.edu/academics/programs/undergraduate/biomedical-engineering/