### Year 1

<table>
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<th>Semester 1</th>
<th>Cr</th>
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<tbody>
<tr>
<td>ENGR 002 - Graphical Communication</td>
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<td>BME 001 - Intro to Biomedical Eng Design(^5)</td>
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<tr>
<td>CHEM 031 - General Chemistry I</td>
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<td>PHYS 031 - Physics for Engineers I</td>
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<td>FWIL(^1) (ENGS 001 / HCOL 085 / TAP)</td>
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<td>MLRS 034 - Human Cell Biology</td>
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<td>MATH 021 - Calculus I</td>
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<td>MATH 022 - Calculus II</td>
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<td>CS 020 - Programming for Engineers(^3)</td>
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<td>CHEM 032 - General Chemistry II</td>
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### Year 2

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<tr>
<td>EE 100 - Electrical Engr. Concepts I</td>
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<td>ME 012 - Dynamics</td>
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<td>CE 001 - Statics</td>
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<td>ME 014 - Mechanics of Solids</td>
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<td>ANPS 019 - Human Anatomy &amp; Physiology</td>
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<td>ANPS 020 - Human Anatomy &amp; Physiology</td>
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<td>MATH 121 - Calculus III</td>
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<td>MATH 040 - Thermodynamics</td>
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<td>PHYS 125 - Physics for Engineers II</td>
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<td>MATH 271 - Adv Engineering Mathematics</td>
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<tr>
<td>ME 101 - Materials Engineering</td>
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<td>BME CTO Biomechanics Elective(^4)</td>
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<td>ME 143 - Fluid Mechanics</td>
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<td>STAT 143 - Statistics for Engineering</td>
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### Year 4

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<td>BME 187 - Capstone Design I</td>
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<td>BME 188 - Capstone Design II</td>
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1. Foundational Writing and Information Literacy (FWIL) is a University requirement. Students must take either ENGS 001 or HCOL 005 (only for students enrolled in the Honors College). Students transferring from the College of Arts and Sciences can use a TAP class to fulfill this requirement.

2. Required General Education (GenEd) Electives: 9 credits of approved GenEd electives.

3. Diversity courses are a University requirement. Students must take one three-credit D1 course and a second three-credit D1 or D2 course.

4. Cell, Tissue & Organ Biomechanics Electives: CHEM 141, CHEM 142, all 100-level or higher ME courses, all 200-level BME courses, CE, EE, ENGR, CS, MATH, STAT and life sciences courses with approval of BME advisor & EBE chair. At least 6 hours must be 100-level or above engineering courses.

5. BME 001 & ENGR 050 are degree requirements designed for first-year students. Internal and external transfer students may substitute 100-level or higher engineering (BME, CE, EE, ENGR, ME) credits for these requirements.

6. BME CTO Technical Electives: All 200-level BME courses, CS 256, EXMS 240, HLTH 135, ME 201, ME 207, ME 208, ME 209, ME 203, ME 212*, MLRS 140, MLRS 175, MMG 223, MMG 231J, MMG 233, MMG 233, MPBP 323*, PATH 161, PHRM 201, PHRM 240, PHRM 272, RMS 213, RMS 270, STAT 202 & STAT 211. Other courses may be pre-approved by BME advisor and EBE chair. At least 9 credits must be at the 200-level or above. Note that 300-level courses (*) require instructor permission for undergraduate enrollment.

N.B. The University's Quantitative Reasoning (QR) requirement is built into the Biomedical Engineering curriculum. The University's Sustainability (SU) requirement may be fulfilled by taking an engineering or technical course approved for SU or an SU-approved GenEd Elective.