# Curriculum in Biomedical Sciences

## Freshman

<table>
<thead>
<tr>
<th>Fall</th>
<th>Hours</th>
<th>Spring</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 1100 English Composition I</td>
<td>3</td>
<td>ENGL 1120 English Composition II</td>
<td>3</td>
</tr>
<tr>
<td>MATH 1610 Calculus I</td>
<td>4</td>
<td>Core History I</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 1030 Fundamentals Chemistry I¹</td>
<td>3</td>
<td>CHEM 1040 Fundamental Chemistry II</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 1031 Fundamental Chemistry I Laboratory</td>
<td>1</td>
<td>CHEM 1041 Fundamental Chemistry II Laboratory</td>
<td>1</td>
</tr>
<tr>
<td>BIOL 1020 Principles of Biology</td>
<td>3</td>
<td>BIOL 1030 Organismal Biology</td>
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<tr>
<td>BIOL 1021 Principles of Biology Laboratory</td>
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<td>BIOL 1031 Organismal Biology Laboratory</td>
<td>1</td>
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<tr>
<td>SCMH 1890 Pre-Health Professions Orientation</td>
<td>1</td>
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<td><strong>Total</strong></td>
<td><strong>16</strong></td>
<td><strong>14</strong></td>
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Options for courses labeled CORE are in the Auburn University Bulletin, under Core Curriculum.

## Sophomore

<table>
<thead>
<tr>
<th>Fall</th>
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<th>Spring</th>
<th>Hours</th>
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<tbody>
<tr>
<td>PHYS 1500 General Physics I</td>
<td>4</td>
<td>PHYS 1510 General Physics II</td>
<td>4</td>
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<tr>
<td>CHEM 2070 Organic Chemistry I</td>
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<td>CHEM 2080 Organic Chemistry II</td>
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<td>CHEM 2071 Organic Chemistry I Laboratory</td>
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<td>CHEM 2081 Organic Chemistry II Laboratory</td>
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<tr>
<td>Core Literature</td>
<td>3</td>
<td>BIOL 3000 Genetics</td>
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<tr>
<td>Core History II</td>
<td>3</td>
<td>COMM 1000 Public Speaking</td>
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<td><strong>Total</strong></td>
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## Junior

<table>
<thead>
<tr>
<th>Fall</th>
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<th>Spring</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>PSYC 2010 Introduction to Psychology</td>
<td>3</td>
<td>Core Social Science</td>
<td>3</td>
</tr>
<tr>
<td>STAT 2510 Statistics for Biological and Health Sciences</td>
<td>3</td>
<td>BIOL 4100 Cell Biology</td>
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<tr>
<td>BIOL 3200 General Microbiology</td>
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<td>BIOL 4101 Cell Biology Laboratory</td>
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<td>BIOL 3201 General Microbiology Laboratory</td>
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<td>BCHE 5190 Biochemistry II</td>
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<tr>
<td>BCHE 5180 Biochemistry I</td>
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<td>PHIL 1030 Ethics and the Health Sciences</td>
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<td>Core Fine Arts</td>
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<td><strong>Total</strong></td>
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<td><strong>14</strong></td>
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## Senior

<table>
<thead>
<tr>
<th>Fall</th>
<th>Hours</th>
<th>Spring</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>BIOL 5500 Immunology</td>
<td>3</td>
<td>UNIV 4AA0 Creed to Succeed ¹</td>
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<tr>
<td>BMSC Elective³</td>
<td>5</td>
<td>BIOL 5600 Mammalian Physiology (Biomedical Physiology)</td>
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<tr>
<td>Professional Elective²</td>
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<td>BMSC Elective³</td>
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<tr>
<td>Undergraduate Research</td>
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<td>Electives</td>
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<tr>
<td><strong>Total</strong></td>
<td><strong>14</strong></td>
<td><strong>18</strong></td>
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Total Hours: 120
Curriculum in Biomedical Sciences

The General Chemistry CHEM 1110/CHEM 1111- CHEM 1120/CHEM 1121 sequence or the General Chemistry Honors Sequence can substitute for CHEM 1030/CHEM 1031- CHEM 1040/CHEM 1041. See advisor.

*Professional Electives: Foreign Language, BIOL 2500, or any BIOL, CHEM, PHYS course 3000+

**BMSC Electives:**
- BIOL 3010/Biol 3013 and BIOL 3011 (Comparative Anatomy)
- BIOL 4000/Biol 4003 and BIOL 4001/Biol 4033 (Histology)
- BIOL 5110 (Parasitology)
- BIOL 5200 (Clinical Micro)
- BIOL 5280 (Genethics)
- BIOL 5230 (Virology)
- BIOL 5330 (Developmental Genetics)
- BIOL 5521 (Gene Express. Lab)
- CHEM 3160 (Physical Chem)
- CHEM 3050 (Analytical Chem)
- Undergraduate Research (no more than 4 additional hours)
- SCMH 3810 or SCMH 3890 (Preceptorships)

Students may only register for UNIV 4AA0 during the semester they plan to graduate.