**BIOLOGY, B.S. - MEDICAL TECHNOLOGY OPTION**

**Major in Biology, BS**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td></td>
<td><strong>CORE COURSES (C- or higher required)</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Foundations of Biology - See Appendix 1</td>
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<tr>
<td></td>
<td>BIOL 211 Concepts of Zoology</td>
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<tr>
<td></td>
<td>BIOL 362 Cell and Developmental Biology</td>
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<tr>
<td></td>
<td>BIOL 364 Foundations of Genetics &amp; Molecular Biology</td>
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<td></td>
<td><strong>Option in Medical Technology - See separate block</strong></td>
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<td></td>
<td><strong>Total Hours</strong></td>
<td><strong>0</strong></td>
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</tbody>
</table>

**Appendix 1. Foundations of Biology**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>Foundations of Biology C- or Higher</td>
<td><strong>0</strong></td>
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<tr>
<td></td>
<td>BIOL 101 Foundations of Biology</td>
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</tbody>
</table>

**Concentration in Medical Technology**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td></td>
<td><strong>REQUIRED MEDICAL TECH COURSES</strong></td>
<td><strong>4</strong></td>
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<tr>
<td></td>
<td>BIOL 257 Introduction to Allied Health Professions</td>
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<td>BIOL 454 Immunology</td>
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<td></td>
<td>BIOL 361 Microbiology</td>
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<td></td>
<td><strong>ELECTIVES - Choose 8 hours from:</strong></td>
<td><strong>8</strong></td>
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<tr>
<td></td>
<td>BIOL 254 Human Anatomy &amp; Physiology I</td>
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<tr>
<td></td>
<td>BIOL 255 Human Anatomy &amp; Physiology II</td>
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<td></td>
<td>BIOL 318 Comparative Vertebrate Anatomy</td>
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<td>BIOL 352 Nutritional Science</td>
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<td>BIOL 356 Functional Human Anatomy</td>
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<td></td>
<td>BIOL 363 Medical Microbiology</td>
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<td>BIOL 375 Biometry</td>
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<td></td>
<td>BIOL 435 Animal Physiology</td>
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<td>BIOL 437 Endocrinology</td>
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<td>BIOL 438 Neurobiology</td>
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<td>BIOL 462 Molecular Biology</td>
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<td>BIOL 463 Virology</td>
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<td>BIOL 465 Developmental Biology</td>
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<td></td>
<td>BIOL 466 Molecular and Cell Techniques</td>
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<td></td>
<td>BIOL 356 or 254 255; and BIOL 375 are strongly recommended.</td>
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</table>

**CLINICAL LAB SCIENCE EDUCATION**

Upon completion of one year of Clinical Laboratory Science education at an affiliated hospital site, 30 credit hours will be credited here.

|     | **Total Hours** | **42** |

**Req Related for Biology, BS**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td></td>
<td><strong>CHEMISTRY</strong></td>
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</tbody>
</table>

A C- or higher in CHEM 111 and 112 is a pre-requisite for CHEM 235. A C- or higher in CHEM 231 is a pre-requisite for CHEM 232. Students interested in graduate or professional school should take CHEM 231 and 232.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>CHEM 111</td>
<td>Introductory Chemistry 1</td>
<td>0</td>
</tr>
<tr>
<td>CHEM 112</td>
<td>Introductory Chemistry 2</td>
<td>0</td>
</tr>
<tr>
<td><strong>Organic Chemistry - Choose 1 of the following options 1-2:</strong></td>
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<td></td>
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<tr>
<td>CHEM 231</td>
<td>Organic Chemistry 1</td>
<td></td>
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<tr>
<td>CHEM 232</td>
<td>Organic Chemistry 2</td>
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<tr>
<td><strong>Option 2. Short Course in Organic Chemistry</strong></td>
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<tr>
<td>CHEM 235</td>
<td>Organic Chemistry</td>
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<tr>
<td>CHEM 326</td>
<td>Biochemistry 1</td>
<td>0</td>
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</table>

**MATHEMATICS FOR MEDICAL TECH OR NUCLEAR MED**

Some clinical sites require a course in statistics such as MATH 130, MATH 235, or BIOL 375. Students interested in graduate or professional school should take MATH 161.

Precalculus, Calculus I or Honors Calculus - Choose 1 of the following:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>MATH 160</td>
<td>Precalculus</td>
<td>4-5</td>
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<tr>
<td>MATH 161</td>
<td>Calculus 1</td>
<td></td>
</tr>
<tr>
<td>MATH 163H</td>
<td>Honors Calculus 1</td>
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</tbody>
</table>

**PHYSICS**

Students interested in graduate or professional school should also take PHYS 132.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>PHYS 131</td>
<td>Physics 1 with Algebra</td>
<td>0</td>
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</table>

|     | **Total Hours** | **4-5** |

For Biology Majors the G2 block of the Liberal Arts Core will be fulfilled by your required related coursework.