ALLIED HEALTH TECHNOLOGY, B.S. - MEDICAL TECHNOLOGY 3+1 YEAR OPTION

In the Medical Technology program at Millersville University, students study for three years at Millersville and then apply to an accredited regional teaching hospital for one year of clinical training. Upon successful completion of the clinical phase of the program, students receive a Bachelor of Science (B.S.) in Biology degree with an option in Medical Technology. MU students are also eligible to sit for the national certification examination upon graduation.

Students hoping to pursue this field can also do so through the Clinical Laboratory Science option within the Allied Health Technology major.

Major in Allied Health Tech-Medical Technology, BS

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>BIOL 257</td>
<td>Introduction to Allied Health Professions</td>
<td>1</td>
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</tbody>
</table>

**BIOLOGY FOUNDATIONS**

General Biology with B- or higher 3

BIOL 100 General Biology

**REQUIRED BIOLOGY COURSES (C- or higher)**

BIOL 254 Human Anatomy & Physiology I 4

BIOL 255 Human Anatomy & Physiology II 4

BIOL 362 Cell and Developmental Biology 4

BIOL 364 Foundations of Genetics & Molecular Biology 4

BIOL 454 Immunology 3

BIOL 361 Microbiology 4

**Directed Electives**

undefined - Choose 2 of the following: 5-8

BIOL 211 Concepts of Zoology

BIOL 352 Nutritional Science

BIOL 363 Medical Microbiology

BIOL 437 Endocrinology

BIOL 438 Neurobiology

BIOL 455 Cardiopulmonary Physiology

BIOL 462 Molecular Biology

BIOL 463 Virology

BIOL 465 Developmental Biology

BIOL 466 Molecular and Cell Techniques

BIOL 467 Human Genetics/Analysis/Apps

RESP 422 Pharmacology

**Med Tech Clinical Coursework**

26 credits in Clinical Laboratory Science completed at an affiliate hospital site 26

Total Hours 58-61

**Appendix 1. Short Course in Organic Chemistry**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>CHEM 235</td>
<td>Organic Chemistry</td>
<td>4</td>
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</table>

**Appendix 2. Organic Chemistry I and Organic Chemistry II**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>CHEM 231</td>
<td>Organic Chemistry 1</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 232</td>
<td>Organic Chemistry 2</td>
<td>4</td>
</tr>
</tbody>
</table>

**CHEM 326**  Biochemistry 1 4

**ORGANIC CHEMISTRY - Choose 1 of the following:**

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 planning to attend graduate school or pursue programs in medical, dental, veterinary, pharmacy, physical therapy or physician assistant after their clinical training should take CHEM 231 and 232 for this requirement.

**Short Course in Organic Chemistry - See Appendix 1**

Organic Chemistry I and Organic Chemistry II - See Appendix 2

MATH 130 Elements of Statistics 1 3

Precalculus 4

MATH 160 Precalculus

Students interested in attending graduate or professional school should also take MATH 161

Physics I with Algebra 4

PHYS 131 Physics I with Algebra

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

Total Hours 27-31

**Req Related for Allied Healt Tech-Medical Tech, BS**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
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<tbody>
<tr>
<td>CHEM 111</td>
<td>Introductory Chemistry 1</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 112</td>
<td>Introductory Chemistry 2</td>
<td>4</td>
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</tbody>
</table>