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

Major in Allied Health Tech-Nuclear Med Tech, BS

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

- General Biology with B- or higher 0
- BIOL 100 General Biology 0

**REQUIRED BIOLOGY COURSES**

- BIOL 254 Human Anatomy & Physiology I 0
- BIOL 255 Human Anatomy & Physiology II 0
- BIOL 362 Cell and Developmental Biology 0
- BIOL 364 Foundations of Genetics & Molecular Biology 0
- BIOL 454 Immunology 3
- BIOL 361 Microbiology 0

**Directed Electives**

undefined - Choose 2 of the following: 0-6

- 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 467 Human Genetics: Analysis/Apps
- RESP 422 Pharmacology

**Nuclear Med Clinical Coursework**

26 credits in Clinical Education at Lancaster General Hospital College of Nursing and Allied Health 26

**Total Hours** 30-36

**Req Related for Allied Hlth Tech-Nuclear Med, BS**

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<thead>
<tr>
<th>Code</th>
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<th>Hours</th>
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<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>CHEM 326</td>
<td>Biochemistry 1</td>
<td>0</td>
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**Organic Chemistry I and Organic Chemistry II**

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

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<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>CHEM 235</td>
<td>Organic Chemistry</td>
<td>0</td>
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**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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<tbody>
<tr>
<td>CHEM 231</td>
<td>Organic Chemistry 1</td>
<td>0</td>
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<tr>
<td>CHEM 232</td>
<td>Organic Chemistry 2</td>
<td>0</td>
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**Total Hours** 7

**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

**MATH 160** Precalculus 4

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

**PHYS 131** Physics 1 with Algebra 0

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

**Total Hours** 7

**Required Related for Allied Hlth Tech-Nuclear Med, BS**

For Allied Health Technology majors the G2 block of the Liberal Arts Core will be fulfilled by your required related coursework.

- CHEM 111 Introductory Chemistry 1 0
- CHEM 112 Introductory Chemistry 2 0
- CHEM 326 Biochemistry 1 0

**Organic Chemistry** - Choose 1 of the following: 0

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.