# Health Science: Pre-Physician Assistant

**Bachelor of Science (BS)**

This degree map is based on the 2023-24 Academic Catalog and is subject to change. Students should meet with their academic advisor each semester and use Degree Works to monitor their individual progress toward degree completion. The time it takes to earn a degree will vary based on several factors including summer/winter enrollment, dual enrollment and number of courses successfully completed each semester. We recommend taking a minimum of 15 credits each fall and spring semester.

## Sample 4-Year Plan

### First Year

<table>
<thead>
<tr>
<th>Fall Courses</th>
<th>Credits</th>
<th>Spring Courses</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EXER161 Introduction to Health and Exercise Science</td>
<td>3</td>
<td>HLSC108/BIOL108 Medical Terminology for Health Professions</td>
<td>3</td>
</tr>
<tr>
<td>HLSC115 Human Anatomy &amp; Physiology 1</td>
<td>4</td>
<td>HLSC120 Human Anatomy &amp; Physiology 2</td>
<td>4</td>
</tr>
<tr>
<td>BIOL110 Principles of Biology 1</td>
<td>4</td>
<td>CHEM121 Chemistry 1</td>
<td></td>
</tr>
<tr>
<td>FYS100 First Year Seminar</td>
<td>3</td>
<td>MATH113 Precalculus</td>
<td>3</td>
</tr>
<tr>
<td>General Education</td>
<td>3</td>
<td>PSYC100 Introduction to Psychology</td>
<td>3</td>
</tr>
<tr>
<td><strong>Semester Total</strong></td>
<td><strong>17</strong></td>
<td><strong>Semester Total</strong></td>
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### Second Year

<table>
<thead>
<tr>
<th>Fall Courses</th>
<th>Credits</th>
<th>Spring Courses</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HLSC200 Introduction to Disease</td>
<td>3</td>
<td>BIOL211 Cellular Biology</td>
<td>4</td>
</tr>
<tr>
<td>CHEM122 Chemistry 2</td>
<td>4</td>
<td>EXER378 Exercise Physiology</td>
<td>3</td>
</tr>
<tr>
<td>PSYC212 Lifespan Development</td>
<td>3</td>
<td>STAT141 Statistics</td>
<td>3</td>
</tr>
<tr>
<td>NUTR200 Introduction to Nutrition</td>
<td>3</td>
<td>General Education</td>
<td>3</td>
</tr>
<tr>
<td>General Education</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Semester Total</strong></td>
<td><strong>16</strong></td>
<td><strong>Semester Total</strong></td>
<td><strong>13</strong></td>
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</tbody>
</table>

### Third Year

<table>
<thead>
<tr>
<th>Fall Courses</th>
<th>Credits</th>
<th>Spring Courses</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM231 Condensed Organic Chemistry</td>
<td>4</td>
<td>HLSC415 Pharmacology</td>
<td>3</td>
</tr>
<tr>
<td>General Education / Elective</td>
<td>12</td>
<td>HLSC498 Professional Field Experience in Health Science</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>BIOL208 Human Genetics</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>General Education / Elective</td>
<td>6</td>
</tr>
<tr>
<td><strong>Semester Total</strong></td>
<td><strong>16</strong></td>
<td><strong>Semester Total</strong></td>
<td><strong>14</strong></td>
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</table>

### Fourth Year

<table>
<thead>
<tr>
<th>Fall Courses</th>
<th>Credits</th>
<th>Spring Courses</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL340 Microbiology</td>
<td>4</td>
<td>CHEM351 Biochemistry 1</td>
<td>4</td>
</tr>
<tr>
<td>HLSC407 Advanced Human Physiology</td>
<td>4</td>
<td>HLSC451 Advanced Human Anatomy</td>
<td>3</td>
</tr>
<tr>
<td>General Education / Elective</td>
<td>6</td>
<td>General Education / Elective</td>
<td>6</td>
</tr>
<tr>
<td><strong>Semester Total</strong></td>
<td><strong>14</strong></td>
<td><strong>Semester Total</strong></td>
<td><strong>13</strong></td>
</tr>
</tbody>
</table>

**Winter/Summer College - Optional**

While not required, Winter and Summer sessions are offered each year and may help you stay on track or get ahead. You may take up to seven (7) credits during Winter College and up to 14 credits during Summer College.
Curriculum Checklist

Health Science Core
- BIOL110 Principles of Biology 1 (4)
- BIOL208 Human Genetics OR BIOL209 Genetics (3)
- BIOL211 Cellular Biology (4)
- BIOL340 Microbiology (4)
- CHEM231 Condensed Organic Chemistry (4)
- CHEM351 Biochemistry 1 (4)
- EXER378 Exercise Physiology (3)
- HLSC108 Medical Terminology for Healthcare Professions (3)
- HLSC120/BIOL181 Human anatomy & Physiology 2 (4)
- EXER161 Introduction to Health and Exercise Science (3)
- HLSC200 Introduction to Disease (3)
- HLSC407 Advanced Human Physiology OR BIOL474 Human Physiology (4)
- HLSC415 Pharmacology (3)
- HLSC451 Advanced Human Anatomy (3)
- HLSC498 Professional Filed Experience in Health Science (2)
- PSYC100 Introduction to Psychology (3)
- PSYC212 Lifespan Development (3)
- NUTR200 Introduction to Nutrition (3)

Health Science Electives (8 credits)
- HLSC140 Introduction to Public Health
- HLSC202 Care and Prevention of Athletic Injuries
- HLSC208 Stress Management and Life Skills for Health Promotion
- HLSC211 Public Health, Social Justice and Advocacy
- HLSC212 Introduction to Global Health Promotion
- HLSC218 Public Health and the Environment
- HLSC235 Community-level Health Methods and Strategies
- HLSC236 Health Literacy and Patient Education
- HLSC240 Introduction to Epidemiology
- HLSC307 Cultural Aspects of Health
- HLSC332 Psychology of injury and Illness
- HLSC350 Planning Health Promotion Programs
- HLSC401 Current Health Issues
- HLSC402 Evaluating Health Education and Promotion Programs
- HLSC420 Rehabilitation Science
- HLSC452 Advanced Human Anatomy Lab
- HLSC470 Sex Education for Health Sciences
- HLSC498 Special Topics
- NUTR200 Introduction to Nutrition
- NUTR310 Nutrition Assessment and Medical Terminology
- NUTR325 Nutrition Counseling and Education
- NUTR350 Nutrition in Healthcare
- EXER351 Biomechanics

General Education Requirements
(45 credits)

Note: Some requirements may be fulfilled by coursework in your major program including directed Gen Ed courses noted below

A. Foundations (15 credits)
   a. Quantitative: MATH113 Precalculus (3)
B. Interconnections (9 credits)
C. Citizenship & Responsibility
   (6 credits from at least two goals)
D. Natural World & Technologies (9 credits)
   a. CHEM121 General Chemistry 1 (4)
   b. CHEM122 General Chemistry 2 (4)
   c. HLSC115/BIOL180 Human Anatomy & Physiology 1 (4)
E. Creativity & Expression (6 credits)

Degree Requirements

All students must obtain a minimum of 120 credits, complete all General Education requirements, and all requirements for the selected major. Meet with your advisor and consult Degree Works to monitor your progress and for all graduation requirements.

A minimum GPA of 2.0 in the major and overall are required.

Campus Locations

Bloomsburg  □ Online; ☒ In-person; □ Blended
Lock Haven  □ Online; ☒ In-person; □ Blended
Mansfield   □ Online; □ In-person; □ Blended
Clearfield  □ Online; □ In-person; □ Blended

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Revised June, 2023