# Medical Imaging

## 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>EXER171: Introduction to Medical Imaging</td>
<td>3</td>
<td>EXER172: Patient Care and Management</td>
<td>3</td>
</tr>
<tr>
<td>HLSC115/BIOL180: Human Anatomy &amp; Physiology 1</td>
<td>4</td>
<td>HLSC120/BIOL181: Human Anatomy &amp; Physiology 2</td>
<td>4</td>
</tr>
<tr>
<td>FYS100: First Year Seminar</td>
<td>3</td>
<td>MATH120: Math for the Health Sciences</td>
<td>3</td>
</tr>
<tr>
<td>WRIT103: Foundations in Composition</td>
<td>3</td>
<td>General Education</td>
<td>6</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>16</strong></td>
</tr>
</tbody>
</table>

### Second Year

<table>
<thead>
<tr>
<th>Fall Courses</th>
<th>Credits</th>
<th>Spring Courses</th>
<th>Credits</th>
</tr>
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<tbody>
<tr>
<td>PSYC100: Introduction to Psychology</td>
<td>3</td>
<td>EXER262: First Aid and Safety</td>
<td>3</td>
</tr>
<tr>
<td>COMM101: Public Speaking OR COMM102: Interpersonal Comm.</td>
<td>3</td>
<td>ITAN175: Spreadsheet Analysis</td>
<td>3</td>
</tr>
<tr>
<td>PHYS205: Applied Physics for the Health Sciences</td>
<td>4</td>
<td>PHIL205: Medical Ethics</td>
<td>3</td>
</tr>
<tr>
<td>General Education</td>
<td>3</td>
<td>General Education</td>
<td>6</td>
</tr>
<tr>
<td><strong>Semester Total</strong></td>
<td><strong>13</strong></td>
<td><strong>Semester Total</strong></td>
<td><strong>15</strong></td>
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### Third Year

<table>
<thead>
<tr>
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<th>Spring Courses</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clinical rotations or extra coursework from elective list depending on length of specialty modality and/or clinical placement site.</td>
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</tr>
<tr>
<td>Students who enter clinical programs that are shorter than two years (60 cr) are required to take 15 credits from the elective list.</td>
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### Fourth Year

<table>
<thead>
<tr>
<th>Fall Courses</th>
<th>Credits</th>
<th>Spring Courses</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clinical Rotations</td>
<td>15</td>
<td>Clinical Rotations</td>
<td>15</td>
</tr>
<tr>
<td><strong>Semester Total</strong></td>
<td><strong>15</strong></td>
<td><strong>Semester Total</strong></td>
<td><strong>15</strong></td>
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</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

Core Requirements (13 credits)
- EXER171 Introduction to Medical Imaging (3)
- EXER172 Patient Care and Management (3)
- HLSC120/BIOL181 Human Anatomy & Physiology 2 (4)
- PSYC100 Introduction to Psychology (3)

Medical Imaging Electives (Credits vary based on clinical site)
Students who enter clinical programs shorter than two years (60 cr) are required to take courses from the elective list so that the total number of credits with the elective courses and clinical experience equal 60 credits.

- BIOL110 Principles of Biology 1 (4)
- CHEM116 Physiological Chemistry 1 (4)
- EXER161 Introduction to Health and Exercise Science (3)
- EXER255 Functional Anatomy (3)
- EXER282 Care and Prevention of Athletic Injuries (3)
- EXER285 Exercise and Mental Health (3)
- EXER287 Intro to Coaching (3)
- EXER298 Internship in Medical Imaging (3)
- EXER351 Biomechanics (3)
- EXER360 Sport Nutrition (3)
- EXER378 Exercise Physiology (3)
- EXER380 Research Methods in Health and Exercise Science (3)
- EXER397 Exercise and Aging (3)
- EXER411 ECG, Exercise Testing, and Cardiac Rehabilitation (3)
- EXER493 Independent Study (3)
- HLSC108/BIOL180 Medical Terminology for Health Science (3)
- HLSC140 Introduction to Public Health (3)
- HLSC200 Introduction to Disease (3)
- HLSC212 Introduction to Global Health Promotion (3)
- HLSC335 Community-Level Health Methods and Strategies (3)
- NUTR200 Introduction to Nutrition (3)

Clinical Experience (30 – 60 credits) (30/60)

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General Education Requirements
(45 credits minimum)

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

- Foundations (15 credits)
  - Oral Communication: COMM101 Public Speaking or COMM102 Interpersonal Communication (3)
  - Quantitative: MATH120 Math for Health Sciences (3)
  - Writing: WRIT103 Foundations in Composition (3)
- Interconnections (9 credits)
- Citizenship & Responsibility (6 credits from at least two goals)
  - PHIL205 Medical Ethics (3)
- Natural World & Technologies (9 credits)
  - HLSC115/BIO180: Human Anatomy & Physiology 1 (4)
  - ITAN175: Spreadsheet Analysis (3)
  - PHYS205: Applied Physics for the Health Sciences (4)
- 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.

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Campus Locations

- **Bloomsburg:** Online; ☒ In-person; ☐ Blended
- **Lock Haven:** Online; ☐ In-person; ☐ Blended
- **Mansfield:** Online; ☐ In-person; ☐ Blended
- **Clearfield:** Online; ☐ In-person; ☐ Blended