

# Health Science: Pre-Professional

## 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

Fall Courses	Credits	Spring Courses	Credits
BIOL110 Principles of Biology 1	4	CHEM121 Chemistry 1	4
EXER161 Intro to Health and Exercise Science	3	HLSC120/BIOL181 Human Anatomy and Physiology 2	4
HLSC115/BIOL180 Human Anatomy & Physiology 1	4	MATH113 Precalculus	3
First Year Seminar	3	PSYC100 Introduction to Psychology	3
General Education	3		
Semester Total	17	Semester Total	14

#### Second Year

Fall Courses	Credits	Spring Courses	Credits
CHEM122 Chemistry 2	4	BIOL211 Cell Biology	4
HLSC200 Introduction to Disease	3	STAT141 Statistics	3
General Education / Elective	9	General Education / Elective	9
Semester Total	16	Semester Total	16

#### Third Year

Fall Courses	Credits	Spring Courses	Credits
EXER380 Research in Health and Exercise Science	4	HLSC Professional Field Experience in Health Science	3
PHYS208 Physics 1	4	PHYS209 Physics 2	4
General Education / Elective	5	General Education / Elective	8
Semester Total	13	Semester Total	15

#### Fourth Year

Fall Courses	Credits	Spring Courses	Credits
General Education / Elective	16	General Education / Elective	13
Semester Total	16	Semester Total	13

#### 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 (41 Credits)

- \_\_\_ BIOL211 Cell Biology (4)
- \_\_\_ CHEM122 General Chemistry 2 (4)
- \_\_\_ EXER161 Intro to Health and Exercise Science (3)
- \_\_\_ EXER378 Exercise Physiology (3)
- \_\_\_ HLSC108/BIOL108 Medical Terminology for Health Science (3)
- \_\_\_ HLSC120/BIOL181 Human Anatomy and Physiology 2 (4)
- \_\_\_ HLSC200 Introduction to Disease (3)
- \_\_\_ HLSC498 Professional Field Experience in Health Science (3)
- \_\_\_ MATH140 Precalculus (3)
- \_\_\_ PHYS100 Introduction to Psychology (3)
- \_\_\_ PHYS208 Introductory Physics 1 (4)
- \_\_\_ PSYC209 Introductory Physics 2 (4)

### Health Science Electives (Choose 10 Credits)

- \_\_\_ EXER255 Functional Anatomy (3)
- \_\_\_ EXER282 Care and Prevention of Athletic Injuries (3)
- \_\_\_ EXER294 Resistance Training Techniques (3)
- \_\_\_ EXER306 Psychology of Sport and Exercise (3)
- \_\_\_ EXER351 Biomechanics (3)
- \_\_\_ EXER360 Sport Nutrition (3)
- \_\_\_ EXER453 Clinical Exercise Physiology (3)
- \_\_\_ EXER477 Exercise Testing Prescription (3)
- \_\_\_ EXER78 Advanced Exercise Physiology (3)
- \_\_\_ HLSC108/BIOL108 Medical Terminology for Health Science (3)
- \_\_\_ HLSC406 Biomechanics of injury (3)
- \_\_\_ HLSC407 Advanced Human Physiology & Mechanisms of Disease (4)
- \_\_\_ HLSC415 Pharmacology (3)
- \_\_\_ HLSC451 Advanced Human Anatomy (3)
- \_\_\_ SPPP208 Introduction to Sport & Performance Psychology (3)

### Natural Science Electives (Choose 6 Credits)

- \_\_\_ BIOL200 Cancer Awareness (3)
- \_\_\_ BIOL208 Human Genetics (3)
- \_\_\_ BIOL340 Microbiology (4)
- \_\_\_ BIOL345 Medical Microbiology (3)
- \_\_\_ CHEM281 Organic Chemistry 1 (4)
- \_\_\_ CHEM282 Organic Chemistry 2 (4)
- \_\_\_ CHEM351 Biochemistry 1
- \_\_\_ CHEM452 Biochemistry 2

### Psychology Electives (Choose 6 Credits)

- \_\_\_ PSYC210 Child Development (3)
- \_\_\_ PSYC211 Adolescent Development (3)
- \_\_\_ PSYC212 Lifespan Development (3)
- \_\_\_ PSYC281 Brain and Behavior (3)

## General Education Requirements

### (45 credits)

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

- Foundations (15 credits)
  - Quantitative: STAT141 Statistics (3)
- Interconnections (9 credits)
- Citizenship & Responsibility (6 credits from at least two goals)
- Natural World & Technologies (9 credits)
  - BIOL110 Principles of Biology 1 (4)
  - CHEM121 Chemistry 1 (4)
  - HLSC115/BIOL180 Human Anatomy & Physiology 1 (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.*

## Campus Locations

- |                   |  |
|-------------------|--|
| <b>Bloomsburg</b> | <input type="checkbox"/> Online; <input checked="" type="checkbox"/> In-person; <input type="checkbox"/> Blended |
| <b>Lock Haven</b> | <input type="checkbox"/> Online; <input checked="" type="checkbox"/> In-person; <input type="checkbox"/> Blended |
| <b>Mansfield</b>  | <input type="checkbox"/> Online; <input type="checkbox"/> In-person; <input type="checkbox"/> Blended            |
| <b>Clearfield</b> | <input type="checkbox"/> Online; <input type="checkbox"/> In-person; <input type="checkbox"/> Blended            |