

Health Science: Pre-Professional

Bachelor of Science (BS)

This degree map is based on the current Academic Catalog and is subject to change. Please note that the degree map is designed to give you a sense of roughly how courses might be distributed over a 4-year degree. Your exact schedule will differ depending on a range of factors though we recommend taking a minimum of 15 credits each fall and spring semester. Regular consultation with your academic advisor is the best way to make sure that you are taking the courses you need in the right order to ensure efficient progress through your degree program.

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 or BIOL181 Anatomy and Physiology 2	4
HLSC115 or BIOL180 Anatomy & Physiology 1	4	MATH140 Precalculus	3
FYS100 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 Cellular Biology	4
HLSC200 Introduction to Disease	3	STAT141 Introduction to 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 (38 Credits)

- ___ BIOL211 Cellular Biology # (4)
- ___ CHEM122 General Chemistry 2 (4)
- ___ EXER161 Intro to Health and Exercise Science (3)
- ___ EXER380 Research in Health and Exercise Science # (3)
- ___ HLSC120 or BIOL181 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)

Major Area Electives (Choose 10 Credits)

- ___ EXER282 Care and Prevention of Athletic Injuries (3)
- ___ EXER294 Resistance Training Techniques (3)
- ___ EXER306 Psychology of Sport and Exercise (3)
- ___ EXER360 Sport Nutrition (3)
- ___ EXER453 Clinical Exercise Physiology (3)
- ___ EXER477 Exercise Testing Prescription (3)
- ___ EXER478 Advanced Exercise Physiology (3) ?
- ___ HLSC108/BIOL108 Medical Terminology for Health Science (3)
- ___ HLSC140 Introduction to Public Health (3)
- ___ HLSC208 Stress Management and Life Skills for Health Promotion (3)
- ___ HLSC211 Public Health, Social Justice, and Advocacy (3)
- ___ HLSC212 Introduction to Global Health Promotion (3)
- ___ HLSC218 Public Health and the Environment (3)
- ___ HLSC235 Community-level Health Methods and Strategies (3)
- ___ HLSC236 Health Literacy and Patient Education (3)
- ___ HLSC240 Introduction to Epidemiology (3)
- ___ HLSC307 Cultural Aspects of Health (3)
- ___ HLSC350 Planning Health Promotion Programs (3)
- ___ HLSC401 Current Health Issues (3)
- ___ HLSC402 Evaluating Health Education and Promotion Programs (3)
- ___ HLSC406 Biomechanics of Musculoskeletal Injury (3)
- ___ HLSC407 Advanced Human Physiology (4)
- ___ HLSC415 Pharmacology (3)
- ___ HLSC451 Advanced Human Anatomy (4)
- ___ HLSC470 Sex Education for Health Sciences (3)
- ___ HLSC465 Rural Health Issues (3)
- ___ HLSC490 Special Topics (3)
- ___ NUTR200 Introduction to Nutrition (3)
- ___ NUTR310 Nutrition Assessment and Medical Terminology (3)
- ___ NUTR325 Nutrition Counseling and Education (3)
- ___ NUTR350 Nutrition in Healthcare (3)
- ___ SPPP208 Introduction to Sport and Performance Psychology (3)
- ___ SPPP318 Advanced Theory and Application of Sport and 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

(48 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 Introduction to 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 or BIOL180 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

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

indicates advanced coursework – this concentration contains 13 of 42 credits of advanced coursework required for graduation. Remaining credits may be completed in major area electives or as part of general education.