

# Exercise Science: Pre-Physical Therapy

## Bachelor of Science (BS)

This degree map is based on the 2024-25 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
EXER161 Introduction to Health and Exercise Science	3	BIOL110 Principles of Biology I	4
HLSC115/BIOL180 Human Anatomy and Physiology I	4	EXER294 Resistance Training Techniques	3
FYS100 First Year Seminar	3	HLSC120/BIOL181 Human Anatomy and Physiology II	4
WRIT103 Foundations in Composition	3	STAT141 Introduction to Statistics	3
General Education	3	General Education	3
Semester Total	16	Semester Total	17

Second Year			
Fall Courses	Credits	Spring Courses	Credits
EXER306 Psychology of Sport and Exercise	3	CHEM122 General Chemistry II	4
EXER360 Sport Nutrition	3	EXER255 Functional Anatomy	3
CHEM121 General Chemistry I	4	PSYC100 Introduction to Psychology	3
PHYS208 Introductory Physics I	4	General Education	6
Semester Total	14	Semester Total	16

Third Year			
Fall Courses	Credits	Spring Courses	Credits
EXER378 Exercise Physiology	3	EXER351 Biomechanics	3
EXER380 Research Methods in Health and Exercise Science	3	EXER397 Exercise and Aging	3
General Education	6	EXER478 Exercise Physiology II	3
General Elective	3	General Education	6
Semester Total	15	Semester Total	15

Fourth Year			
Fall Courses	Credits	Spring Courses	Credits
EXER261 First Aid and Safety	3	EXER414 Exercise Testing and Prescription for Special Populations	3
EXER477 Exercise Testing and Prescription	3	EXER498 Exercise Science Internship	6
Major Elective	3	General Elective	3
General Elective	6		
Semester Total	15	Semester Total	12

### 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.

# Pre-Physical Therapy

## Curriculum Checklist

### Exercise Science Core (57 credits)

- \_\_\_ BIOL110 Principles of Biology I (4)
- \_\_\_ CHEM122 General Chemistry II (4) \*
- \_\_\_ EXER161 Introduction to Health and Exercise Science (3)
- \_\_\_ EXER255 Functional Anatomy (3)
- \_\_\_ EXER294 Resistance Training Techniques (3)
- \_\_\_ EXER306 Psychology of Sport and Exercise (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) \*
- \_\_\_ EXER414 Exercise Testing and Prescription for Special Populations (3) \*
- \_\_\_ EXER477 Exercise Testing and Prescription (3) \*
- \_\_\_ EXER478 Exercise Physiology II (3) \*
- \_\_\_ EXER498 Exercise Science Internship (6) \*
- \_\_\_ HLSC120/BIOL181 Human Anatomy and Physiology II (4)
- \_\_\_ PSYC100 Introduction to Psychology (3)

### Exercise Science Electives (3 credits)

- \_\_\_ BIOL111 Principles of Biology II (4)
- \_\_\_ EXER282 Care and Prevention of Athletic Injuries (3)
- \_\_\_ EXER284 Aquatic Exercise Programming (3)
- \_\_\_ EXER285 Exercise and Mental Health (3)
- \_\_\_ EXER287 Introduction to Coaching (3)
- \_\_\_ EXER295 Tests and Assessments (3) \*
- \_\_\_ EXER304 Principles of Resistance Training (3)
- \_\_\_ EXER383 Exercise Programming (3) \*
- \_\_\_ EXER410 Instrumentation and Lab Techniques (3) \*
- \_\_\_ EXER411 ECG, Exercise Testing, and Cardiac Rehabilitation (3) \*
- \_\_\_ EXER413 Current Issues in Sport and Exercise (3) \*
- \_\_\_ EXER453 Clinical Exercise Physiology (3) \*
- \_\_\_ EXER493 Independent Study (3) \*
- \_\_\_ BIOL108/HLSC108 Medical Terminology (3)
- \_\_\_ HLSC332 Psychological Considerations of Injury and Illness (3) \*
- \_\_\_ HLSC406 Biomechanics of Injury (3) \*
- \_\_\_ HLSC420 Rehabilitation Science (3) \*
- \_\_\_ HLSC451 Advanced Human Anatomy (3) \*
- \_\_\_ PHYS209 Introductory Physics II (4) \*
- \_\_\_ SPPP208 Introduction to Sport and Performance Psychology (3)

^ Denotes contingency enrollment in course

Enrollment in this course is contingent on an ALEKS math placement score  $\leq 61$  or successful completion of MATH118 College Algebra with a grade of C or better

\*Denotes advanced coursework

Students must take a minimum of 42 credits of advanced coursework. Advanced coursework can be met in major courses, minor courses, free elective courses, and general education courses. Courses that meet this requirement are designated in Banner.

## 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)
  - First Year Seminar: FYS100 First Year Seminar (3)
  - Writing: WRIT103 Foundations in Composition (3)
  - Quantitative: STAT141 Introduction to Statistics (3)
- Interconnections (9 credits)
- Citizenship and Responsibility (6 credits from at least two goals)
  - Citizenship: EXER261 First Aid and Safety (3)
- Natural World and Technologies (9 credits)
  - Natural World: CHEM121 General Chemistry I (4) ^
  - Natural World: HLSC115/BIOL180 Human Anatomy and Physiology I (4)
  - Natural World: PHYS208 Introductory Physics I (4) ^
- Creativity and Expression (6 credits)

## Degree Requirements

All students must obtain a minimum of 120 credits (a minimum of 42 credits must be advanced coursework), 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.

*ALL Exercise Science Core and Exercise Science Elective courses must be completed with a grade of C or better to be eligible for graduation.*

## 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            |