

Health Science: Pre-Physical Therapy

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 General Chemistry 1	4
EXER161 Introduction to Health and Exercise Science	3	HLSC108 or BIOL108 Medical Terminology	3
HLSC115 or BIOL180 Anatomy & Physiology 1	4	HLSC120 or BIOL181 Anatomy & Physiology 2	4
FYS100 First Year Seminar	3	PSYC100 Introduction to Psychology	3
		General Education / Elective	3
Semester Total	14	Semester Total	17

Second Year

Fall Courses	Credits	Spring Courses	Credits
CHEM122 General Chemistry 2	4	BIOL211 Cellular Biology	4
EXER351 Biomechanics	3	EXER378 Exercise Physiology	3
HLSC200 Introduction to Disease	3	STAT141 Introduction to Statistics	3
PSYC212 Lifespan Development	3	SOCI101 Introduction to Sociology	3
General Education / Elective	3	General Education / Elective	3
Semester Total	16	Semester Total	16

Third Year

Fall Courses	Credits	Spring Courses	Credits
HLSC332 Psychological Considerations of Injury and Illness	3	HLSC420 Rehabilitation Science	3
PHYS208 Physics 1	4	HLSC498 Professional Field Experience in Health Science	3
General Education / Elective	9	PHYS209 Physics 2	4
		General Education / Elective	6
Semester Total	16	Semester Total	16

Fourth Year

Fall Courses	Credits	Spring Courses	Credits
EXER380 Research in Health and Exercise Science	3	HLSC451 Advanced Human Anatomy	3
General Education / Elective	9	General Education / Elective	10
Semester Total	12	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

Core Requirements (53 credits)

- ___ BIOL211 Cellular Biology # (4)*
- ___ CHEM122 General Chemistry 2 (4)*
- ___ EXER161 Introduction to Health and Exercise Science (3)
- ___ EXER351 Biomechanics # (3)*
- ___ EXER378 Exercise Physiology # (3)*
- ___ EXER380 Research Methods in Health and Exercise Science # (3)*
- ___ HLSC108 or BIOL108 Medical Terminology (3)
- ___ HLSC120 or BIOL181 Anatomy & Physiology 2 (4)
- ___ HLSC200 Introduction to Disease # (3)*
- ___ HLSC332 Psychological Considerations of Injury and Illness # (3)*
- ___ HLSC420 Rehabilitation Science # (3)*
- ___ HLSC451 Advanced Human Anatomy Lecture # (3)*
- ___ HLSC498 Professional Field Experience in Health Science # (3)*
- ___ PHYS208 Intro to Physics 1 (4)^
- ___ PHYS209 Intro to Physics 2 (4)*
- ___ PSYC100 Introduction to Psychology (3)

^ Enrollment in course is contingent on an ALEKS math placement score >61 or successful completion of MATH118 College Algebra with a grade of C or better.

Note: Progression through the sequence of all chemistry courses requires achievement of a minimum grade of C in pre-requisite courses.

Major Area Electives (7 credits)

- ___ EXER282 Care and Prevention of Physical Injury
- ___ EXER294 Resistance Training Techniques
- ___ EXER306 Psychology of Sport & Exercise*
- ___ EXER360 Sport Nutrition*
- ___ EXER453 Clinical Exercise Physiology*
- ___ EXER477 Exercise Testing and Prescription*
- ___ EXER478 Advanced Exercise Physiology*
- ___ HLSC110 Orientation to Athletic Training
- ___ HLSC140 Introduction to Public Health
- ___ 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
- ___ HLSC307 Cultural Aspects of Health*
- ___ HLSC340 Epidemiology*
- ___ HLSC350 Planning Health Promotion Programs*
- ___ HLSC401 Current Health Issues*
- ___ HLSC402 Evaluating Health Education and Promotion Programs*
- ___ HLSC406 Biomechanics of Musculoskeletal Injury*
- ___ HLSC407 Advanced Human Physiology*
- ___ HLSC415 Pharmacology*
- ___ HLSC452 Advanced Human Anatomy Lab*
- ___ HLSC470 Sex Education for Health Sciences*
- ___ HLSC490 Special Topics*
- ___ NUTR200 Introduction to Nutrition
- ___ NUTR310 Nutrition Assessment and Medical Terminology *
- ___ NUTR325 Nutrition Counseling and Education *
- ___ NUTR350 Nutrition in Healthcare*
- ___ SPPP208 Introduction to Sport and Performance Psychology
- ___ SPPP318 Advanced Theory and Application of Sport and Performance Psychology *

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)
 - PSYC212 Lifespan Development (3)
- Citizenship & Responsibility (6 credits from at least two goals)
 - SOCI101 Introduction to Sociology (3)
- Natural World & Technologies (9 credits)
 - BIOL110 Principles of Biology 1 (4)
 - HLSC115 or BIOL180 Anatomy & Physiology 1 (4)
 - CHEM121 Chemistry 1 (4)^
- Creativity & Expression (6 credits)

Degree Requirements

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

*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.