



BIO-PHYSICAL THERAPY

AT EASTERN ILLINOIS UNIVERSITY

NAME	
E NUMBER	
CATALOG	

2023-2024

GENERAL REQUIREMENTS: 30-38 HRS

LANGUAGE: 9 HRS

Grade of "C" or better is required.

COURSE	HOURS	GRADE	SEMESTER
ENG 1001G Composition & Language	3		
ENG 1002G Composition & Language II	3		
CMN 1310G Intro. to Speech Comm.	3		

HUMANITIES/FINE ARTS: 9 HRS

COURSE	HOURS	GRADE	SEMESTER
Humanities _____	3		
Fine Arts _____	3		
Humanities or Fine Arts _____	3		

SENIOR SEMINAR: 3 HRS

Senior topic must be outside the major area. See Undergraduate Catalog for Senior Seminars outside of Biological Sciences.

COURSE	HOURS	GRADE	SEMESTER
EIU _____	3		

SOCIAL/BEHAVIORAL SCIENCE: 9 HRS

Must be from two different disciplines. One course must meet Cultural & Diversity requirement

COURSE	HOURS	GRADE	SEMESTER
PSY 1879G Intro to Psychology	3		
	3		
	3		

FOREIGN LANGUAGE: 0-8 HRS

Exempt if 2 yrs in high school with "C" average.

COURSE	HOURS	GRADE	SEMESTER
WL _____ G	4		
WL _____ G	4		

SCIENCE AWARENESS: 7 HRS

Complete in major.

MATHEMATICS: 3-5 HRS

Complete in major.

SCIENCE CORE: 56 HRS

BIOLOGY COURSES	HOURS	GRADE	SEMESTER
BIO 1150 Biology Forum	1		
BIO 1500 General Biology I	4		
BIO 1550G General Biology II	4		
BIO 3120* Molecular & Cell Biology	4		
BIO 3200* Genetics	4		
BIO 2220* Anatomy & Physiology II	4		
BIO 3180* Ecology & Evolution	4		
BIO 3300* General Microbiology OR BIO 3330* Introduction to Botany OR BIO 3340* Zoology	4		
PHYSICS COURSES	HOURS	GRADE	SEMESTER
PHY 1151G* Principles Physics I	3		
PHY 1152G* Principles Physics I Lab	1		
PHY 1161* Principles Physics II	3		
PHY 1162* Principles Physics II Lab	1		

MATH COURSES	HOURS	GRADE	SEMESTER
MAT 2110G* Brief Calculus	3		
BIO 4750* Statistic Anly of Sci Data OR MAT 2250G* Elementry Statistics	4		
CHEMISTRY COURSES	HOURS	GRADE	SEMESTER
CHM 1310G General Chemistry I	3		
CHM 1315G General Chemistry I Lab	1		
CHM 1410* General Chemistry II	3		
CHM 1415* General Chemistry II Lab	1		
CHM 2440* Organic Chemistry I	3		
CHM 2445* Organic Chemistry I Lab	1		

*Additional prerequisite classes may be required. See Undergraduate Catalog

+BIO 2210 (Anatomy and Physiology I) prerequisite. BIO 2210 counts as BIO elective credit.

Departmental Exit Interview is also required prior to leaving EIU.

MAJOR ELECTIVES: 21HRS

21 semester hours of elective course work in Biological Sciences (with the exception of **BIO 3400**, **BIO 4275**, workshops, and courses designed for General Education with the exception of BIO 3888G) or Mathematics or Physical Sciences courses above 2000 (with the exception of general education and **CHM 2310**). A minimum of 14 semester hours must be taken in the Biological Sciences.

COURSE	HOURS	GRADE	SEMESTER
BIO 2210 Anatomy & Physiology	4		

BIO 2210 (4) Anatomy and Physiology I
BIO 3035 (3) Economic Botany
BIO 3210 (4) Immunology
BIO 3312 (3) Horticulture
BIO 3322 (3) Dendrology
BIO 3330 (4) Introduction to Botany
BIO 3340 (4) Zoology
BIO 3450 (1-3) Independent Study
BIO 3451 (1-3) Undergraduate Research
BIO 3460 (4) Clinical Rotation
BIO 3610 (3) Survey of Algae & Fungi
BIO 3612 (3) Plant Evolution & Diversity
BIO 3620 (4) Funct. Comp. Anatomy

BIO 3622 (4) Embryology
BIO 3624 (3) Histology
BIO 3628 (4) Evolutionary Medicine
BIO 3710 (3) Plant-Animal Interactions
BIO 3720 (4) Entomology
BIO 3740 (3) Clinical Mycology
BIO 3810 (3) Freshwater Ecology
BIO 3850 (3) Environmental Biology
BIO 3888G (3) Tropical/Marine Ecology
BIO 3950 (3) Vertebrate Natural History
BIO 3952 (3) Invertebrate Natural History
BIO 3960 (1-4) Special Topics
BIO 4400 (1) Teaching in the Lab

OTHER:

COURSE	HOURS	GRADE	SEMESTER
PSY 3515* Child Psychology	3		
PSY 3780* Abnormal Psychology	3		

ADDITIONAL REQUIREMENTS:

CPR, FIRST AID, MEDICAL TERMINOLOGY

BIO 4751 (3) Adv. Molec. & Cell Biol.
BIO 4800 (2) Research Techniques
BIO 4810 (4) Plant Ecology
BIO 4812 (3) Fisheries Ecology & Mgmt
BIO 4814 (3) Conservation Biology
BIO 4816 (3) Biotic Communities
BIO 4818 (4) Environmental Microbiology
BIO 4820 (4) Spatial Analysis for Environmental Sciences
BIO 4830 (3) Comp. Vertebrate Physiology
BIO 4832 (4) Animal Behavior
BIO 4833 (4) Neurobiology of Diseases
BIO 4834 (4) Neurobiology
BIO 4835 (4) Advanced Neurobiology
BIO 4836 (4) Pathogenic Microbiology
BIO 4892 (4) Intro. Paleobotany
BIO 4914 (3) Plant Anatomy
BIO 4920 (3) Medicinal Plants
BIO 4940 (3) Phycology

BIO 4942 (3) Mycology
BIO 4944 (3) Lichens
BIO 4946 (3) Bryology
BIO 4948 (3) Plant Taxonomy
BIO 4950 (3) Ichthyology
BIO 4952 (3) Herpetology
BIO 4954 (3) Ornithology
BIO 4956 (3) Mammalogy
BIO 4958 (4) Parasitology
BIO 4960 (3) Wetland & Aqua. Vasc. Plants
BIO 4984 (3) Evolutionary Biology

Courses numbered 5000-5499 inclusive, may be taken by a senior whose graduation requirements average 2.75 or higher, with the permission of the instructor and the Dean of the Graduate School.

BIO-PHYSICAL THERAPY

	HRS	BRADLEY	GOVERNOR'S STATE	MIDWESTERN	NORTHERN ILLINOIS	NORTHWESTERN	ROSALIND	UIC
CHEMISTRY								
CHM 1315G General Chemistry I Lab	3	✓	✓	✓	✓	✓	✓	✓
CHM 1315G General Chemistry I Lab	1	✓	✓	✓	✓	✓	✓	✓
CHM 1410 General Chemistry II	3	✓	✓		✓	✓	✓	✓
CHM 1415 General Chemistry II Lab	1	✓	✓		✓	✓	✓	✓
PHYSICS								
PHY 1151G Principles of Physics I	3	✓	✓	✓	✓	✓	✓	✓
PHY 1152G Principles of Physics I Lab	1	✓	✓	✓	✓	✓	✓	✓
PHY 1161 Principles of Physics II	3	✓	✓	✓	✓	✓	✓	✓
PHY 1162 Principles of Physics II Lab	1	✓	✓	✓	✓	✓	✓	✓
MATH								
MAT 2110G* Brief Calculus	3					✓		✓
MAT 2250G* Elementary Statistics	4		a	a	a	a	a	a
PSY 2610* Statistical Methods of Psych	4	✓	b	b	b	b	b	b
BIOLOGY								
BIO 1500 General Biology I	4	✓	✓	✓	✓	✓	✓	✓
BIO 1550G General Biology II	4		✓		✓	✓		
BIO 2210 Anatomy & Physiology I	4	✓	✓	✓	✓	✓	✓	✓
BIO 2220 Anatomy & Physiology II	4	✓	✓	✓	✓	✓	✓	✓
BIO XXXX See Course Options (right)	4	✓	✓			✓		
BEHAVIORAL / SOCIAL SCIENCES								
PSY 1879G Intro to Psychology	3	*	✓	✓	✓	✓	✓	✓
PSY 3515* Child Psychology OR FCS 1800 Life Span Human Dev.	3		✓		✓			a
PSY 3780* Abnormal Psychology	3	*	✓		✓			b
PSY 3805** Research Methods & Experimental Design	4				✓			
Other Social/Behavioral Sciences	3-6	*		✓		✓	✓	
ADDITIONAL REQUIREMENTS								
MEDICAL TERMINOLOGY		*	✓		✓			
INTRO TO PT			✓					
CPR-BLS for Health Care Professional				✓	✓			
FIRST AID				✓				
MINIMUM GPA		3.0	3.0	3.0	3.0	3.0		
GRE		✓	✓	✓	✓	✓	✓	✓
OBSERVATION HOUR REQUIREMENT		*			✓	✓	✓	✓

a / b: Choose a or b

* Recommended

* Additional prerequisite classes may be required. See undergraduate catalog.

BIO XXXX COURSE OPTIONS:

BIO 3120 Molecular and Cellular Biology

BIO 3200 Genetics

BIO 4834 Neurobiology

CHM 3450 Biochemistry

Physical therapists (PTs) are health care professionals who diagnose and treat individuals of all ages, from newborns to the very oldest, who have medical problems or other health-related conditions that limit their abilities to move and perform functional activities in their daily lives.

PTs examine each individual and develop a plan using treatment techniques to promote the ability to move, reduce pain, restore function, and prevent disability. In addition, PTs work with individuals to prevent the loss of mobility before it occurs by developing fitness- and wellness-oriented programs for healthier and more active lifestyles.

Physical therapists provide care for people in a variety of settings, including hospitals, private practices, outpatient clinics, home health agencies, schools, sports and fitness facilities, work settings, and nursing homes. State licensure is required in each state in which a physical therapist practices.

A Bachelor of Science in Biological Sciences includes most of the physical prerequisites; however any academic baccalaureate degree will be acceptable that includes these prerequisites. The Graduate Record Exam (GRE) is required for entry into most PT programs. To be accepted into a PT program, a GPA of at least 3.4 on a 4.0 scale and high GRE scores are needed. Most programs also require 45+ job shadowing/experiential hours in the health care field (preferably PT).

Each PT program has different requirements. It is very important to identify early which programs you plan to apply to and to plot out their requirements accordingly.

GRADUATION REQUIREMENTS:

<input type="checkbox"/>	120 Hours
<input type="checkbox"/>	40 SH of upper division courses (3000+)
<input type="checkbox"/>	30 SH in residence at EIU
<input type="checkbox"/>	30 SH junior-senior residency
<input type="checkbox"/>	12 SH senior residency
<input type="checkbox"/>	2.00 Cumulative GPA
<input type="checkbox"/>	2.00 Major GPA
<input type="checkbox"/>	Cultural Diversity
<input type="checkbox"/>	Application for Graduation (First semester junior year)
<input type="checkbox"/>	Electronic Writing Portfolio 1 <input type="checkbox"/> 2 <input type="checkbox"/>
	See www.eiu.edu/~assess/ for requirements

NOTES, QUESTIONS, MINOR REQUIREMENTS: