

BHS in Pre-Professional Physical Therapy

Degree Program Description

Physical therapists (PTs) are health care professionals who diagnose and treat individuals across the lifespan, 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.

The University of Missouri offers a Doctor of Physical Therapy degree.

This degree is granted to some students who gain Advanced Admission to the Doctor of Physical Therapy program. Students may not major in the BHS in Preprofessional Physical Therapy unless they have applied and been accepted for Advanced Admission to the Doctor of Physical Therapy Program.

Major Program Requirements

This degree program is only for students who are planning advanced admission into the DPT in Physical Therapy program and is not a standalone undergraduate degree. Advance Admission grants students the opportunity to apply to the DPT program during their junior year and enter the DPT program after completing 90 credit hours of college level coursework. Students who seek to gain early admission to the DPT program must complete a minimum of three years (six fall/spring semesters or 12 quarters of full-time enrollment) of residential coursework on a college campus prior to starting the DPT program. To be eligible to apply for advanced admission, students must have a 3.5 cumulative GPA. Students accepted for the early admission program must complete 90 credit hours, including University of Missouri general education (<https://catalog.missouri.edu/academicdegreerequirements/generaleducationrequirements/>) and University requirements (<https://catalog.missouri.edu/academicdegreerequirements/universityrequirements/>) and pre-requisite coursework prior to beginning the professional phase of the program. At the time of application, students may have up to three of the following courses to be completed, with no more than two planned for the spring semester: Statistics, Chemistry, Physics 1, Physics 2, Biology, Physiology, Medical Terminology and Anatomy.

Pre-requisite Courses

ENGLISH 1000	Writing and Rhetoric *	3
MATH 1100	College Algebra *	3-5
or MATH 1160	Precalculus Mathematics	
HLTH_SCI 4200W	Introduction to The Research Process and Evidence Base - Writing Intensive *	3
STAT 1200	Introductory Statistical Reasoning *	3
or STAT 1300	Elementary Statistics	
or STAT 2500	Introduction to Probability and Statistics I	
or ESC_PS 4170	Introduction to Applied Statistics	
CHEM 1400 & CHEM 1401	College Chemistry I and College Chemistry I Laboratory *	4

PHYSICS 1210	College Physics I *	4
PHYSICS 1220	College Physics II *	4
BIO_SC 1010 & BIO_SC 1020	General Principles and Concepts of Biology and General Biology Laboratory *	5
or BIO_SC 1500	Introduction to Biological Systems with Laboratory	
or BIO_SC 1030	General Principles and Concepts of Biology with Laboratory	
MPP 3202	Elements of Physiology *	5
CDS 2190	Medical Terminology *	3
PTH_AS 2201	Human Anatomy Lecture *	3

Students must complete departmental requirements, including at least 6-8 hours of 3000/4000-level coursework in one of the following content areas: a) Biological/Physical Science, b) Social/Behavioral Science. (See suggested courses below.)

Suggested Biological/Physical Science Courses: ~		
BIOCHM 3630	General Biochemistry	3
BIO_SC 3750	General Microbiology	3
CHEM 3200	Quantitative Methods of Analysis with Lab	4
MPP 4204	Medical Pharmacology	4
MICROB 3200	Medical Microbiology and Immunology	4
MICROB 4304	Immunology for Health Professions	3
NEP 3850	Physiology of Exercise	3
NEP 4860	Exercise Prescription	3

Suggested Social/Behavioral Science Courses:		
HLTH_SCI 3700	Health Care in the United States	3
PSYCH 3140	Cognitive Psychology	3
PSYCH 3150	Human Memory	3
PSYCH 3830	Health Psychology	3
PSYCH 4210	Physiological Psychology	3
SOCIOL 3430	The Sociology of Sport	3
SOCIOL 3440	Sociology of Health	3
SOCIOL 4210	Aging and the Life Course	3

Major Core Requirements		
PTH_AS 7222	Gross Human Anatomy (The Health Professions) *	7
PH_THR 5110	Fundamentals of Physical Therapy *	1
PH_THR 5210	Applied Neurophysiology *	3
PH_THR 5220	Biophysical Agents *	2
PH_THR 5230	Clinical Evaluation and Procedures (Capstone) *	4
PH_THR 5240	Foundations of Therapeutic Exercise *	3
PH_THR 5250	Human Kinesiology *	3
PH_THR 5260	Introduction to Clinical Education I *	1
PH_THR 5270	PhysZOU I	0.5
PH_THR 5310	Applied Therapeutic Exercise *	3
PH_THR 5320	Clinical Kinesiology (Capstone) *	3
PH_THR 5330	Clinical Pathophysiology *	3
PH_THR 5340	Introduction to Clinical Education II *	1
PH_THR 5350	Introduction to Orthopedic Physical Therapy *	3
PH_THR 5360	Pharmacology in Rehabilitation *	2
PH_THR 5370	PhysZOU II	0.5

~ MPP 3202 may meet the Physiology requirement and count toward the Biological/Physical Science category.

* Courses in which a grade of C- or higher is required

Semester Plan

First Year					
Fall	CR	Spring	CR		
MATH 1100		3 CHEM 1400 & CHEM 1401	4		
PSYCH 1000		3 MO State Law Requirement	3		
Humanities Course		3 HLTH_SCI 1000	3		
BIO_SC 1010		3 ENGLSH 1000	3		
BIO_SC 1020		2 PSYCH 2510	3		
PH_THR 1000		1			
		15	16		
Second Year					
Fall	CR	Spring	CR		
PHYSICS 1210		4 CDS 2190	3		
COMMUN 1200		3 HLTH_SCI 3700	3		
HLTH_SCI 2400		3 H_D_FS 2400W	4		
PSYCH 2410		3 PHYSICS 1220	4		
STAT 1200		3			
		16	14		
Third Year					
Fall	CR	Spring	CR	Summer	CR
HLTH_SCI 3000		1 HLTH_SCI 4200W	3	PTH_AS 7222	7
HLTH_SCI 2500		3 MPP 3202	5	PH_THR 5110	1
HLTH_SCI 2850		3 Humanities Course	3		
HLTH_SCI 4480		3 Social/Behavioral Program Requirement (choose one)	3		
PTH_AS 2201		3			
PTH_AS 2203		2			
		15	14	8	
Fourth Year					
Fall	CR	Spring	CR		
PH_THR 5210		3 PH_THR 5310	3		
PH_THR 5220		2 PH_THR 5320	3		
PH_THR 5230		4 PH_THR 5330	3		
PH_THR 5240		3 PH_THR 5340	1		
PH_THR 5250		3 PH_THR 5350	3		
PH_THR 5260		1 PH_THR 5360	2		
PH_THR 5270		0.5 PH_THR 5370	0.5		
		16.5	15.5		

Total Credits: 130