

EXERCISE SCIENCE (BS) & PHYSICAL THERAPY (DPT)

Dept. Chair: Justine Dee, PT, MS, PhD (<https://www.jefferson.edu/academics/colleges-schools-institutes/rehabilitation-sciences/departments/exercise-science/degrees-programs/exercise-science-to-doctor-of-physical-therapy.html>)

Program Description

Designed for high school graduates that are interested in pursuing a career in physical therapy. This program provides an accelerated degree path that shortens the time to graduation by one full year, while still delivering a high-quality educational experience that couples both classroom and clinical based educational experiences necessary to earn a Bachelor of Science in exercise science and a doctorate in physical therapy. The exercise science aspect will provide graduates with foundational knowledge in science, anatomy, physiology, biomechanics and exercise prescription.

Curriculum: Years 1-3

Course	Title	Credits
First Year		
Fall		
FYS 100	Pathways Seminar	1
AVIS 101	American Visions	3
CHEM 103	Chemistry I	3
CHEM 103L	Chemistry I Lab	1
BIO 101	Biology I	3
BIO 103	Biology I Laboratory	1
MATH 102 or MATH 110	Pre-Calculus or Pre-Calculus for Sci & Engrs	3
PSYC 101	Intro to Psychology	3
Credits		18
Spring		
EXSC 110	Intro to Exercise Science	1
CHEM 104	Chemistry II	3
CHE 104	General Chemistry II Lab	1
PSYC 213	Developmental Psychology	3
BIO 102	Biology II	3
BIO 104	Biology II Laboratory	1
WRIT 101	Writing Sem I: Written Comm.	3
Concentration Coursework (p.)		3
Credits		18
Second Year		
Fall		
GDIV 1XX	Global Diversity Placeholder	3
PHY 101	Physics I	3
PHY 103	Physics I Laboratory	1
STAT 220 or STAT 301	Stats for the Behavioral Sci	3
WRIT 201	Writing Seminar II: Multi Comm	3
Concentration Coursework (p.)		3
Credits		16
Spring		
EXSC 210	Developing the Interprof Team	1
GCIT 2XX	Global Citizenship Placeholder	3
ETHC 2XX	Ethics Course Placeholder	3

Course	Title	Credits
ADIV 2XX	American Diversity Placeholder	3
PHYC 203	Phys II: Waves, Elec, & Mag	3
PHYC 203L	Physics II Lab	1
Credits		14
Third Year		
Fall		
ISEM 3XX	Integrative Sem Placeholder	3
BIO 201	Anatomy&Physiology I	3
BIO 202	Anatomy&Physiology I Lab	1
CGIS 300	Contemporary Global Issues	3
EXSC 311	Sports Nutrition	3
EXSC 313	Safety, First Aid & Inj Preven	3
Credits		16
Spring		
BIO 203	Anatomy & Physiology II	3
BIO 204	Anatomy & Physiology II Lab	1
EXSC 330	Internship I	3
EXSC 310	Exercise Physiology	3
PHIL 499	Philosophies of the Good Life	3
Concentration Coursework (p.)		3
Credits		16
Total Credits		98

DPT Curriculum: Years 4-6

Program Chair: Jane Fedorczyk, PT, PhD, CHT

Course	Title	Credits
Fourth Year		
Pre-Fall		
PT 507	Advanced Human Anatomy for PTs	6
PT 534	Intro to the PT Profession	1
PT 536	Medical Terminology	1
PT 527	Evidence Based Practice I	3
Credits		11
Fall		
PT 506	Biomechanics and Kinesiology	4
PT 516	Neuroscience	3
PT 533	Intro to PT Examination	5
PT 538	Psychosocial Aspects of PT	2
PT 539	Clinical Decision Making	1
PT 545	Integrated Clin Exp I	1
Credits		16
Spring		
PT 513	Pathophysiology I	3
PT 518	Movement System in PT	2
PT 624	Evidence Based Practice II	2
PT 546	Integrated Clin Exp II	1
PT 555	Intro to Therapeutic Interven	6
Credits		14
Fifth Year		
Pre-Fall		
PT 514	Pathophysiology II	3
PT 607	Musculoskeletal PT I	4
PT 611	Cardiovasc & Pulm PT I	2
PT 613	Pharmacology	2
PT 661	Integumentary PT	3
Credits		14
Fall		
PT 608	Musculoskeletal PT II	4
PT 612	Cardiovasc & Pulm PT II	3

2 Exercise Science (BS) & Physical Therapy (DPT)

Course	Title	Credits
PT 621	Neuromuscular PT I	5
PT 645	Integrated Clin Exp III (ICE; 1/2 class)	1
PT 670	Prosthetics and Orthotics	3
PT 680	FT Clin Ed Experience Prep	1
Credits		17
Spring		
Spring A		
PT 685	FT Clin Ed Experience I	6
Spring B		
PT 609	Musculoskeletal PT III	4
PT 622	Neuromuscular PT II	4
PT 645	Integrated Clin Exp III	1
PT 645	Integrated Clin Exp III	1
Credits		16
Sixth Year		
Pre-Fall		
PT 785	FT Clin Ed Experience II	9
Credits		9
Fall		
PT 632	Healthcare Delivery Systems	3
PT 700	Med Screen & Diff Diagno in PT	2
PT 674	Pediatric PT	3
PT 700	Med Screen & Diff Diagno in PT	2
PT 736	Business and Leadership in PT	3
PT 721		2
Credits		15
Spring		
PT 786	FT Clin Ed Experience III	12
Credits		12
Total Credits		124