

EXERCISE SCIENCE (B.S.) - PRE-PHYSICAL THERAPY TRACK

STUDENT LEARNING OUTCOMES

- Graduates will assess the basic components of fitness, with an understanding of the health and physiological significance of each measurement.
- Graduates will apply effective exercise training methods to induce physiological and structural adaptations safely.
- Graduates will perform as an entry level professional in an authentic situation in the field.
- Graduates will demonstrate the ability to interpret, implement, and present research findings.
- Graduates will demonstrate the ability to identify and implement lifestyle interventions to reduce chronic disease risk and improve quality of life throughout aging.

Recommended

- A Global Learning (GL) experience (<http://catalog.walsh.edu/undergraduate/academic-services/#globallearning>)

Required

- General Education Requirements (<http://catalog.walsh.edu/undergraduate/general-education-curriculum/>)
- Internship

All courses must be completed with a C- or better to be counted toward completion of the major.

Code	Title	Hours
Biology		20
BIO 101	FD: T1:Principles of Biology I	
BIO 101L	Principles of Biology I: Lab	
BIO 102	Principles of Biology II	
BIO 102L	Principles of Biology II: Lab	
BIO 209	Anatomy/Physiology I	
BIO 209L	Anatomy/Physiology I: Lab	
BIO 210	Anatomy/Physiology II	
BIO 210L	Anatomy/Physiology II: Lab	
BIO 309	Human Physiology	
Exercise Science		32
EXS 100	Foundations of Exerc & Sprt Sci	
EXS 101	FD: Exercise Physiology I	
EXS 102	FD: Exercise Physiology II	
EXS 150	First Aid and CPR	
EXS 225	Strength Training and Conditin	
EXS 300	Exercise Testing & Prescription	
EXS 375	Research Design & Elemen. Stats	
EXS 385	Biomechanics	
EXS 484	Pathophys. of Chronic Disease	
EXS 485	SL: Exs. Manag. Of Chronic Diseas.	
EXS 494	Internship	

EXS 498	Research Seminar	
Other Requirements		28
CHEM 101	FD:T1:Princ of Chemistry I	
CHEM 101L	Principles of Chemistry I: Lab	
CHEM 102	Principles of Chemistry II	
CHEM 102L	Principles of Chemistry II: Lab	
MATH 155	Elementary Functions I (required for Physics)	
MATH 156	Elementary Functions II (required for Physics)	
MATH 221	Statistics (MATH 104 - Algebra II is a pre-requisite)	
PHYS 101	Principles of Physics I	
PHYS 101L	Principles of Physics I: Lab	
PHYS 102	Principles of Physics II	
PHYS 102L	Principles of Physics II: Lab	
PSYC 210	T1:FD:HumanDevelAcrossLife	
Electives (choose 2 from the following list OR any other EXS course at the 200 level or above)		6
PHIL 304	H3:TH1:TH2: Bioethics	
EXS 499	Faculty Research Assistant	
PSYC 251	Physiological Psychology	
PSYC 401	TH2: Psychol Disorders	
SOC 311	TH2:CH:SL:H1:Medical Soc.	
EXS Elective (200 level or above)		
EXS Elective (200 level or above)		
Total Hours		86