

# EXERCISE SCIENCE WITH A PRE-PHYSICAL THERAPY CONCENTRATION (BS)

This program is designed for students intending to pursue graduate education in Physical Therapy. These courses represent the most common pre-requisite courses for PT programs, but it remains the student's responsibility to ensure that their desired graduate school's requirements have been met.

*The following requirements are in addition to the Bachelor of Science core requirements, found here (<https://catalog.cornerstone.edu/undergraduate/cornerstone-core/>). (does not require a minor)*

## Exercise Science Core and Major Courses

Code	Title	Hours
<b>Program Core</b>		
BIO-151	GENERAL BIOLOGY	4
BIO-241	ANATOMY AND PHYSIOLOGY I	4
BIO-242	ANATOMY & PHYSIOLOGY II	4
KIN-341	ANATOMICAL KINESIOLOGY	4
Choose one of the following (Pre-PT majors must take MAT-121, 122 or 131)		3-5
MAT-110	COLLEGE MATHEMATICS	
MAT-121	COLLEGE ALGEBRA	
MAT-122	PRE-CALCULUS	
MAT-131	CALCULUS I	
<b>Required Courses</b>		
BIO-347	INTRO TO NUTRITION	3
KIN-1XX	Activity Course	1
KIN-211	HISTORY & PRINCIPLES OF KINESIOLOGY	3
KIN-251	MOTOR DEVELOPMENT AND LEARNING	3
KIN-342	EXERCISE PHYSIOLOGY	3
KIN-345	MEASUREMENT & EVALUATION	3
KIN-346	EXERCISE TESTING & PRESCRIPTION	3
KIN-362	FIRST AID, INJURY PREVENTION, TREATMENT	3
KIN-380	INTERNSHIP <sup>1</sup>	6
KIN-402	PROFESSIONAL CAPSTONE SEMINAR	1
KIN-403	PROF CAPSTONE RESEARCH PROJ	1
KIN-444	ADVANCED EXERCISE PHYSIOLOGY	3
MAT-151	STATISTICS	3
or BIO-121	BIOSTATISTICS	
<b>Total Hours</b>		<b>55-57</b>

<sup>1</sup> ExSCI, PT, and OT Majors **only**. Cardiac Rehab majors take KIN-381 INTERNSHIP - CARDIC REHAB in their own concentration

## Pre-Physical Therapy Courses

In addition to the Program Specific Core and Major Courses listed previously, students must also complete the following courses:

Code	Title	Hours
PHY-211	GENERAL PHYSICS I	4
PHY-212	GENERAL PHYSICS II	4
PSY-111	GENERAL PSYCHOLOGY	3
CHM-121	GENERAL CHEMISTRY I	4
CHM-122	GENERAL CHEMISTRY II	4
Choose one of the following:		3-5
MAT-121	COLLEGE ALGEBRA	
MAT-122	PRE-CALCULUS	
MAT-131	CALCULUS I	
<b>Total Hours</b>		<b>22-24</b>