



















# PRE-PHYSICAL THERAPY, EMPHASIS (STRENGTH AND CONDITIONING)

The Pre-Physical Therapy area of emphasis is designed for students wishing to apply for professional physical therapy programs. Adding this area of emphasis may require students to take beyond 15 hours per semester or to take summer classes in order to complete their degree program in four years.

## Course Requirements

 - General Education Course

 - Milestone course: a key success marker for your major. See your advisor to discuss the importance of this course in your plan of study.


Code	Title	Credit Hours
PHY 201 	College Physics I	3
Math Requirements: Select from the Following <sup>1</sup>		5-8
MTH 127  & MTH 122 	College Algebra-Expanded and Plane Trigonometry	
MTH 130  & MTH 122 	College Algebra and Plane Trigonometry	
MTH 132 	Precalculus with Sci Applica	
PHY 202 	General Physics I Laboratory	1
PHY 203 	College Physics II	3
PHY 204 	General Physics 2 Laboratory	1
CHM 211 	Principles of Chemistry I <sup>2</sup>	3
CHM 217 	Principles of Chem Lab I	2
CHM 212 	Principles Chemistry II	3
CHM 218 	Principles of Chem Lab II	2
BSC 120 	Principles of Biology I	3
BSC 120L 	Principles of Biology I Lab	1
BSC 121 	Principles of Biology II	3
BSC 121L 	Prin of Biology II Lab	1
PSY 311	Child Development	3
PSY 312	Adult Development	3
<b>Total Credit Hours</b>		<b>37-40</b>

<sup>1</sup> Course selection based on pre-requisites or placement exam.




<sup>2</sup> CHM 111 may be required based on pre-requisites or placement exam.

## Semester Plan




 - General Education Course

 - Milestone course: a key success marker for your major. See your advisor to discuss the importance of this course in your plan of study.

### First Year





First Semester		Credit Hours
HS 200 	Comp Medical Terminology (CT)	3
FYS 100	First Yr Sem Critical Thinking	3
ENG 101 	Beginning Composition	3
MTH 130 	College Algebra	3
UNI 100	Freshman First Class	1
Core II CMM Course		3
<b>Credit Hours</b>		<b>16</b>

### Second Semester



BSC 227	Human Anatomy	3
BSC 227L	Human Anatomy Lab	1
ENG 201 	Advanced Composition	3
PSY 201 	Introductory Psychology (CT)	3
MTH 122 	Plane Trigonometry	3
Core II Fine Arts		3
<b>Credit Hours</b>		<b>16</b>

### Second Year

#### First Semester




BSC 228 	Human Physiology	3
BSC 228L 	Human Physiology Lab	1
HS 365	Functional Kinesiology	3
HS 365L	Functional Kinesiology Lab	1
CHM 211 	Principles of Chemistry I	5
& CHM 217 	and Principles of Chem Lab I	
Core II Humanities		3
<b>Credit Hours</b>		<b>16</b>

#### Second Semester

ESS 345	Exercise Physiology	3
ESS 442	Princ of Strength & Cond	3
ESS 443	Prin of Strength Cond Lab	1
CHM 212 	Principles Chemistry II	5
& CHM 218 	and Principles of Chem Lab II	
PSY 311	Child Development	3
<b>Credit Hours</b>		<b>15</b>



### Third Year

#### First Semester



HS 465	Biomechanical Analy of Mvmt	3
PSY 223 	Elem Behavioral Stat	3
ESS 478	Energy Sources Body Comp	3
PHY 201 	College Physics I	4
& PHY 202 	and General Physics I Laboratory	
PSY 312	Adult Development	3
<b>Credit Hours</b>		<b>16</b>

#### Second Semester

PSY 405	Sport Psychology	3
PSY 440	Physiological Psychology	3
ESS 375	Fitness Assess & Exerc Prescr	3

Core II Social Science	3
PHY 203  College Physics II	4
& PHY 204  and General Physics 2 Laboratory	
<b>Credit Hours</b>	<b>16</b>

**Fourth Year****First Semester**

ESS 492	Strength & Condit Clin Fld Exp	3
HS 369	Motor Learning	3
HS 410	Organ Admin in Kines	3
DTS 210	Nutrition	3
BSC 120  Principles of Biology I		4
& BSC 120L  and Principles of Biology I Lab		
<b>Credit Hours</b>		<b>16</b>

**Second Semester**

ESS 491 🏠	Internship Exercise Science	6
ESS 450	Drug and Sport	3
BSC 121 🏠	Principles of Biology II	4
& BSC 121L 🏠	and Prin of Biology II Lab	
Credit Hours		13
Total Credit Hours		124