











PRE-MED, EMPHASIS (EXERCISE SCIENCE)

The Pre-Med 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
Math Requirements for Physics: Select from the Following ¹		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 201 	College Physics I	3
PHY 202 	General Physics I Laboratory	1
PHY 203 	College Physics II	3
PHY 204 	General Physics 2 Laboratory	1
CHM 355	Organic Chemistry I	3
CHM 356	Organic Chemistry II	3
CHM 361	Intro Organic Chm Lab	3
CHM 365	Introductory Biochemistry	3
PSY 311	Child Development	3
PSY 312	Adult Development	3
Total Credit Hours		31-34



¹ Course selection 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
HS 201	Intro Appl Anat & Physiol 3
ENG 101 	Beginning Composition 3
FYS 100	First Yr Sem Critical Thinking 3

MTH 127  or MTH 130 	College Algebra-Expanded or College Algebra	3-5
UNI 100	Freshman First Class	1

Credit Hours 16-18







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
CHM 211 	Principles of Chemistry I	5
& CHM 217 	and Principles of Chem Lab I ¹	

Credit Hours 18




Second Year

First Semester

BSC 228 	Human Physiology	3
BSC 228L 	Human Physiology Lab	1
CHM 212 	Principles Chemistry II	5
& CHM 218 	and Principles of Chem Lab II ¹	
ESS 215	Intro to Exercise Science	3
HS 222	Hlth Prov First Aid/CPR/AED	3
CHM 212 	Principles Chemistry II	5
& CHM 218 	and Principles of Chem Lab II ¹	

Credit Hours 20





Second Semester

HS 365	Functional Kinesiology	3
HS 365L	Functional Kinesiology Lab	1
HS 410	Organ Admin in Kines	3
BSC 120 	Principles of Biology I	4
& BSC 120L 	and Principles of Biology I Lab	
DTS 210	Nutrition	3
PSY 223 	Elem Behavioral Stat	3

Credit Hours 17




Third Year

First Semester

ESS 345	Exercise Physiology	3
PSY 440	Physiological Psychology	3
BSC 121 	Principles of Biology II	4
& BSC 121L 	and Prin of Biology II Lab	
Humanities Elective		3
CHM 355	Organic Chemistry I ¹	3
PHY 201 	College Physics I	4
& PHY 202 	and General Physics I Laboratory ¹	




Credit Hours 20

Second Semester



ESS 386	Adult Fitness	3
ESS 478	Energy Sources Body Comp	3
SOC 200 	Understanding Society (CT)	3
PHY 201 	College Physics I	4
& PHY 202 	and General Physics I Laboratory ¹	
Restricted Elective		3

CHM 365	Introductory Biochemistry ¹	3
CHM 361	Intro Organic Chm Lab	3
Credit Hours		22

Fourth Year**First Semester**

ESS 375	Fitness Assess & Exerc Prescr	3
ESS 442	Princ of Strength & Cond	3
ESS 443	Prin of Strength Cond Lab	1
Restricted Elective		3
SOC 200 	Understanding Society (CT)	3
CHM 365	Introductory Biochemistry	3
PHY 203 	College Physics II	4
& PHY 204 	and General Physics 2 Laboratory ¹	
Credit Hours		20

Second Semester

ESS 491 	Internship Exercise Science	6
HP 240	Intro to Human Diseases in HS	3
PSY 311	Child Development	3
CMM 103 	Fund Speech-Communication	3
Core II Fine Arts		3
Credit Hours		18
Total Credit Hours		151-153

¹ May be taken in Summer.