















PRE-MED, EMPHASIS (KINESIOLOGY)

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 Requirement 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 211  & CHM 217 	Principles of Chemistry I and Principles of Chem Lab I ²	5
CHM 212  & CHM 218 	Principles Chemistry II and Principles of Chem Lab II	5
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		41-44





¹ Course selection based on pre-requisites or placement exam.







² 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
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
CMM 103 	Fund Speech-Communication	3
MTH 122 	Plane Trigonometry	3
CHM 211  & CHM 217 	Principles of Chemistry I and Principles of Chem Lab I ¹	5
Credit Hours		21

Second Year		
First Semester		Credit Hours
BSC 228 	Human Physiology	3
BSC 228L 	Human Physiology Lab	1
SFT 235 	Intro to Occup Safety (CT)	3
HS 222	Hlth Prov First Aid/CPR/AED	3
CHM 212  & CHM 218 	Principles Chemistry II and Principles of Chem Lab II ¹	5
PHY 201  & PHY 202 	College Physics I and General Physics I Laboratory ¹	4
Core II Fine Arts		3
Credit Hours		22

Second Semester		
HS 365	Functional Kinesiology	3
HS 365L	Functional Kinesiology Lab	1
SFT 372	Safety & Industrial Tech	3
PSY 223 	Elem Behavioral Stat	3
DTS 210	Nutrition	3
Restricted Elective		3
PHY 203  & PHY 204 	College Physics II and General Physics 2 Laboratory ¹	4
Credit Hours		20

Third Year		
First Semester		Credit Hours
HS 215	Intro to Athletic Training	3
SFT Minor Restricted Elective		3
HS 369	Motor Learning	3
Humanities Elective		3
Restricted Elective		3

CHM 355	Organic Chemistry I ¹	3
Credit Hours		18
Second Semester		
ESS 345	Exercise Physiology	3
PSY 405	Sport Psychology	3
SFT 375	Construction Safety I	3
SOC 200 	Understanding Society (CT)	3
Restricted Elective		3
CHM 356	Organic Chemistry II ¹	3
CHM 361	Intro Organic Chm Lab	3
Credit Hours		21
Fourth Year		
First Semester		
HS 410	Organ Admin in Kines	3
ESS 442	Princ of Strength & Cond	3
ESS 443	Prin of Strength Cond Lab	1
SFT 499	Dev & Mgt of Occup Safety Prog	3
BSC 120 	Principles of Biology I	4
& BSC 120L 	and Principles of Biology I Lab	
PSY 311	Child Development	3
Credit Hours		17
Second Semester		
ESS 491 	Internship Exercise Science	6
HS 220	Personal Health	3
Restricted Elective		3
BSC 121 	Principles of Biology II	4
& BSC 121L 	and Prin of Biology II Lab	
PSY 312	Adult Development	3
CHM 365	Introductory Biochemistry	3
Credit Hours		22
Total Credit Hours		157-159

¹ May be taken in Summer.