











# PRE-PHYSICIAN ASSISTANT, EMPHASIS (BIOMECHANICS)

The Pre-Physician Assistant 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
CHM 211 	Principles of Chemistry I <sup>1</sup>	3
CHM 217 	Principles of Chem Lab I	2
CHM 212 	Principles Chemistry II	3
CHM 218 	Principles of Chem Lab II	2
CHM 355	Organic Chemistry I	3
CHM 356	Organic Chemistry II	3
CHM 361	Intro Organic Chm Lab	3
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
Microbiology: 4-5 hours of BSC 302 and 304, OR 4 hours of BSC 250 and BSC 250L.		4-5
<b>Total Credit Hours</b>		<b>31-32</b>




<sup>1</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
<b>Credit Hours</b>		<b>13</b>
Second Semester		
BSC 227	Human Anatomy	3





BSC 227L	Human Anatomy Lab	1
HS 265 	Fund Video Analysis Mvmt (CT)	3
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 <sup>1</sup>	
<b>Credit Hours</b>		<b>21</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
PSY 311	Child Development	3
PHY 201 	College Physics I	3
PHY 202 	General Physics I Laboratory	1
BSC 120 	Principles of Biology I	4
& BSC 120L 	and Principles of Biology I Lab	
CHM 212 	Principles Chemistry II	5
& CHM 218 	and Principles of Chem Lab II <sup>1</sup>	
<b>Credit Hours</b>		<b>24</b>

#### Second Semester

HS 215	Intro to Athletic Training	3
HS 222	Hlth Prov First Aid/CPR/AED	3
ESS 345	Exercise Physiology	3
PHY 203 	College Physics II	3
PHY 204 	General Physics 2 Laboratory	1
BSC 121 	Principles of Biology II	4
& BSC 121L 	and Prin of Biology II Lab	
CMM Elective		3
<b>Credit Hours</b>		<b>20</b>

### Third Year

#### First Semester

HS 465	Biomechanical Analy of Mvmt	3
HS 369	Motor Learning	3
ESS 442	Princ of Strength & Cond	3
CHM 355	Organic Chemistry I <sup>1</sup>	3
ESS 443	Prin of Strength Cond Lab	1
Core II Humanities		
<b>Credit Hours</b>		<b>13</b>


#### Second Semester

HS 435	Biomech Instrument Mat Lab	3
HS 464	Pathomechanics	3
HS 478	Research Practicum Biomechanic	3
Social Sciences Elective		3
Fine Arts Elective		3
Elective		3
CHM 356	Organic Chemistry II <sup>1</sup>	3
CHM 361	Intro Organic Chm Lab	3
<b>Credit Hours</b>		<b>24</b>

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

HS 475	Trends in Biomechanics	3
HS 410	Organ Admin in Kines	3
HS 405	Sport Psychology	3
DTS 210	Nutrition	3
Elective		3
<b>Credit Hours</b>		<b>15</b>

**Second Semester**

HS 495	Trends in Biomechanics II	3
ESS 220	Fitness and Wellness	3
PSY 223 	Elem Behavioral Stat	3
Microbiology: 4-5 hours of BSC 302 and 304, OR 4 hours of BSC 250 and BSC 250L.		4-5
<b>Credit Hours</b>		<b>13-14</b>
<b>Total Credit Hours</b>		<b>143-144</b>

<sup>1</sup> May be taken in Summer.