



**Plan of Study**  
**Biology for Pre-Physical Therapy**  
 Catalog Year: 2021-2022

**Sample Schedule:** students are not limited to this plan; it is meant to serve as a guide for planning purposes in discussions with your academic advisor. This plan is one possible path to completing this degree in **four years**.

**FIRST YEAR**

**First Semester**

Course	Prerequisites / Comments	Credits	Semester Offered
BIOL 145-Intro to Sci. Inquiry		1	F
BIOL 151 General Biology I* and Lab		4	F
ENGL 101 Composition I*		3	F,S
MATH 1XX College Algebra/Trigonometry/Calculus I**		3-4	Varies
CSC 105 Intro to Computers		3	F,S,SU
	<b>Total Credit Hours</b>	<b>14-15</b>	

**Second Semester**

Course	Prerequisites / Comments	Credits	Semester Offered
BIOL 153 General Biology II * and Lab		4	S
CIS 123 Prob. Solving or CSC 150 Comp. Science I		3	F,S,SU
SPCM 101 Oral Communications		3	F,S
PSYC 101 General Psychology**		3	F,S
HIM 130 Medical Terminology**		2	F,SU
	<b>Total Credit Hours</b>	<b>15</b>	

**SECOND YEAR**

**Third Semester**

Course	Prerequisites / Comments	Credits	Semester Offered
BIOL 331 Microbiology and Lab	BIOL 151 and Lab	4	F
BIOL 280 Inquiry and Analysis in Biology and Lab	BIOL 151 and Lab or BIOL 153 and Lab	2	F
CHEM 112 General Chemistry I * and Lab	Math 114, 115, 129, 121, 123, 125 or 281	4	F
Arts and Humanities		3	Varies
Social Science (Sociology)**		3	F
	<b>Total Credit Hours</b>	<b>16</b>	

**Fourth Semester**

Course	Prerequisites / Comments	Credits	Semester Offered
BIOL 221 Human Anatomy* and Lab	BIOL 151 and Lab	4	S
BIOL Elective		4	Varies
CHEM 114 General Chemistry II* and Lab	CHEM 112 and Lab	4	S
MATH 281 Introduction to Statistics**		3	F,S,SU
	<b>Total Credit Hours</b>	<b>15</b>	

## THIRD YEAR

<b>Fifth Semester</b>			
Course	Prerequisites / Comments	Credits	Semester Offered
BIOL 311 Ecology and Lab	BIOL 151 and Lab; or BIOL 153 and Lab	4	F Odd Years
BIOL 325 Physiology* and Lab	BIOL 151 and Lab; or BIOL 153 and Lab; or Biol 221 and Lab; or CHEM 112 and Lab	4	F
PHYS 111/211 Physics I* and Lab	Math 123 or Math 125	4	F
ENGL 201 Composition II*	ENGL 101	3	F,S,SU
<b>Total Credit Hours</b>		<b>15</b>	

<b>Sixth Semester</b>			
Course	Prerequisites / Comments	Credits	Semester Offered
BIOL 371 Genetics and Lab	BIOL 101 and Lab; or Biol 151 and Lab	4	S Even Years
BIOL 303 Intro to Biological Instrumentation	BIOL 151 and Lab; and CSC 105	3	S Odd Years
PHYS 113/213 Physics II* and Lab	MATH 123 and PHYS 211 and Lab	4	S
Arts and Humanities		3	Varies
<b>Total Credit Hours</b>		<b>14</b>	

## FOURTH YEAR

<b>Seventh Semester</b>			
Course	Prerequisites / Comments	Credits	Semester Offered
BIOL 422 Immunology** and Lab	BIOL 151 and Lab; and CHEM 112 and Lab	3	F Even Years
BIOL Elective		4	Varies
CHEM/EXS/PHYS elective		3	Varies
Social Science		3	Varies
Free Elective		3	Varies
<b>Total Credit Hours</b>		<b>16</b>	

<b>Eighth Semester</b>			
Course	Prerequisites / Comments	Credits	Semester Offered
BIOL 343 Cell Molecular Biology** and Lab	BIOL 151 and Lab	4	S Odd Years
BIOL 335 Bioinformatics	BIOL 151 and Lab	3	S Even Years
BIOL 498 Undergrad. Research	Consent of instructor	2	F,S,SU
ENGL 379 Tech Communications	ENGL 201	3	S
Free Elective		3	Varies
<b>Total Credit Hours</b>		<b>15</b>	

\* Required for all physical therapy schools

\*\* Required or recommended by many physical therapy schools

**Information is subject to change. This is not a contract.**

Semester: F = Fall; S = Spring; SU = Summer (online only)