



Plan of Study
Biology for Pre-Physician Assistant
Catalog Year: 2020-2021

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
MATH 1XX College Algebra/Trigonometry/Calculus I**	Placement reports determine	3-4	Varies
CSC 105 Intro to Computers		3	F,S,SU
ENGL 101 Composition I		3	F,S,SU
Total Credit Hours		14-15	

Second Semester

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

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,SU
Total Credit Hours		16	

Fourth Semester

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

THIRD YEAR

Fifth Semester			
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
CHEM 326 Organic Chemistry I**	CHEM 114 and Lab	3	F
CHEM 326L Organic Chemistry I Lab**		1	F
ENGL 201 Composition II	ENGL 101	3	F,S
Total Credit Hours		15	

Sixth Semester			
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
CHEM 328 Organic Chemistry II**	CHEM 326 and Lab	3	S
CHEM 328L Organic Chemistry II Lab**		1	S
Arts and Humanities		3	Varies
Total Credit Hours		14	

FOURTH YEAR

Seventh Semester			
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
HLTH/EXS/CHEM/PHYS Elective		3	Varies
Social Science (Abnormal Psychology)**		3	Varies
Free Elective		3	Varies
Total Credit Hours		16	

Eighth Semester			
Course	Prerequisites / Comments	Credits	Semester Offered
BIOL 343 Cell Molecular Biology and Lab	BIOL 151 and Lab	4	S Odd Years
BIOL 498 Undergrad. Research	Consent of instructor	2	F,S,SU
CHEM 460 Biochemistry** and Lab	CHEM 326 and Lab	3	S Even Years
BIOL 335 Bioinformatics	BIOL 151 and Lab	3	S Even Years
ENGL 379 Tech Communications	ENGL 201	3	S
Total Credit Hours		15	

* Required for all physician assistant schools

** Required or recommended by many physician assistant schools

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

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