



**Plan of Study**  
**Biology for Pre-Dentistry**  
 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
CHEM 112 General Chemistry I *and Lab	Math 114, 115, 129, 121, 123, 125 or 281	4	F
MATH 1XX College Algebra/Trigonometry/Calculus I	Placement reports determine	3-4	Varies
CSC 105 Intro to Computers		3	F,S,SU
	<b>Total Credit Hours</b>	<b>15-16</b>	

**Second Semester**

Course	Prerequisites / Comments	Credits	Semester Offered
BIOL 153 General Biology II *and Lab		4	S
ENGL 101 Composition I*		3	F S
CHEM 114 General Chemistry II* and Lab	CHEM 112; Math 114, 115, 129, 121, 123, 125, or 281	4	S
Social Science (Psychology) **		3	F S
CIS 123 Prob. Solving or CSC 150 Comp. Science I		3	F,S,SU
	<b>Total Credit Hours</b>	<b>17</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 326 Organic Chemistry I* and Lab	CHEM 114 and Lab	3	F
CHEM 326L Organic Chemistry I Lab*		1	F
Arts and Humanities		3	varies
Social Science (Sociology)		3	varies
	<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
CHEM 328 Organic Chemistry II*	CHEM 326 and Lab	3	S
CHEM 328L Organic Chemistry II Lab*		1	S
SPCM 101 Oral Communications*		3	F,S,SU
MATH 281 Statistics**		3	F,S,SU

	<b>Total Credit Hours</b>	<b>14</b>	
<b>THIRD YEAR</b>			
<b>Fifth Semester</b>			
<b>Course</b>	<b>Prerequisites / Comments</b>	<b>Credits</b>	<b>Semester Offered</b>
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 211 University Physics I* and Lab	Math 123 or Math 125	4	F
ENGL 201 Composition II*	ENGL 101	3	F,S
	<b>Total Credit Hours</b>	<b>15</b>	
<b>Sixth Semester</b>			
<b>Course</b>	<b>Prerequisites / Comments</b>	<b>Credits</b>	<b>Semester Offered</b>
BIOL 371 Genetics** and Lab	BIOL 101 and Lab; or Biol 151 and Lab	4	S even years
CHEM 460 Biochemistry**	CHEM 326 and Lab	3	S even years
BIOL 303 Intro to Biological Instrumentation	BIOL 151 and Lab; and CSC 105	3	S odd years
PHYS 213 University Physics II* and Lab	MATH 123 and PHYS 211 and Lab	4	S
Elective		1	
	<b>Total Credit Hours</b>	<b>15</b>	
<b>FOURTH YEAR</b>			
<b>Seventh Semester</b>			
<b>Course</b>	<b>Prerequisites / Comments</b>	<b>Credits</b>	<b>Semester Offered</b>
BIOL 422 Immunology and Lab	BIOL 151 and Lab; and CHEM 112 and Lab	3	F even years
BIOL Elective		4	varies
EXS/HIM/HLTH/MATH/PHYS Elective		3	varies
Social Science		3	varies
	<b>Total Credit Hours</b>	<b>13</b>	
<b>Eighth Semester</b>			
<b>Course</b>	<b>Prerequisites / Comments</b>	<b>Credits</b>	<b>Semester Offered</b>
BIOL 343 Cell Molecular Biology**	BIOL 151 and Lab	4	S odd years
BIOL 498 Undergrad. Research	Consent of instructor	2	F, S
BIOL 335 Bioinformatics	BIOL 151 and Lab	3	S even years
Arts and Humanities		3	varies
ENGL 379 Tech Communications**	ENG 201	3	S
	<b>Total Credit Hours</b>	<b>15</b>	

\* Required for all dental schools

\*\* Required or recommended by many dental schools

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

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