

Bachelor of Science - Biology
First Time Freshman Academic Roadmap

Year 1: Freshman Year				Year Total				29
Fall Semester	Terms Offered	Prerequisite Courses	Units	Spring Semester	Terms Offered	Prerequisite Courses	Units	
CHEM 2100 (GE 5A)	Fall & Spring	MATH 1401 or 2210 (Corequisite)	4	CHEM 2200	Fall & Spring	CHEM 2100	4	
CHEM 2100L (GE 5C)	Fall & Spring	CHEM 2100 (Corequisite)	1	CHEM 2200L	Fall & Spring	CHEM 2200 (Corequisite)	1	
MATH 2210 or MATH 1601 (GE 2)	Fall & Spring	MATH 1401 or MATH 1403	4	Critical Thinking (GE 1B)	Fall & Spring		3	
Oral Communication (GE 1C)	Fall & Spring		3	Written Communication (GE 1A)	Fall & Spring		3	
General Education	Fall & Spring		3	Free Elective	Fall & Spring		3	
Semester Total			15	Semester Total			14	

Year 2: Sophomore Year				Year Total				31
Fall Semester	Terms Offered	Prerequisite Courses	Units	Spring Semester	Terms Offered	Prerequisite Courses	Units	
BIOL 2010 (GE 5B)	Fall & Spring	CHEM 2100 with a grade of C or higher	5	BIOL 2020	Fall & Spring	BIOL 2010 with a grade of C or better	5	
Second Year Chemistry (Group A, B, or C)	Fall & Spring	Varies, see PAWS Report	5	Second Year Chemistry (Group A, B, or C)	Fall & Spring	Varies on Group Selected	4	
General Education	Fall & Spring		3	General Education	Fall & Spring		3	
General Education	Fall & Spring		3	General Education	Fall & Spring		3	
Semester Total			16	Semester Total			15	

Year 3: Junior Year				Year Total				32
Fall Semester	Terms Offered	Prerequisite Courses	Units	Spring Semester	Terms Offered	Prerequisite Courses	Units	
BIOL elective, incl. but not limited to Group A-C	Fall & Spring	BIOL 2020 with a grade of C or better	4	BIOL elective, incl. but not limited to Group A-C	Fall & Spring	BIOL 2020 with a grade of C or better	4	
BIOL elective, incl. but not limited to Group A-C	Fall & Spring	BIOL 2020 with a grade of C or better	4	BIOL elective, incl. but not limited to Group A-C	Fall & Spring	BIOL 2020 with a grade of C or better	4	
PHYS 2000	Fall & Spring	MATH 2210 with a grade of C or better	4	PHYS 2010	Fall & Spring	PHYS 2000	4	
PHYS 2000L	Fall & Spring	PHYS 2000 (Corequisite)	1	PHYS 2010L	Fall & Spring	PHYS 2010 (Corequisite)	1	
General Education (UD)	Fall & Spring		3	General Education (UD)	Fall & Spring		3	
Semester Total			16	Semester Total			16	

Year 4: Senior Year				Year Total				28
Fall Semester	Terms Offered	Prerequisite Courses	Units	Spring Semester	Terms Offered	Prerequisite Courses	Units	
BIOL 5000	Fall & Spring	BIOL 2020 with a grade of C or better	1	BIOL elective, incl. but not limited to Group A-C	Fall & Spring	BIOL 2020 with a grade of C or better	4	
BIOL elective, incl. but not limited to Group A-C	Fall & Spring	BIOL 2020 with a grade of C or better	4	BIOL elective, incl. but not limited to Group A-C	Fall & Spring	BIOL 2020 with a grade of C or better	3	
BIOL elective, incl. but not limited to Group A-C	Fall & Spring	BIOL 2020 with a grade of C or better	3	Free Elective	Fall & Spring		3	
General Education (UD)	Fall & Spring		3	Free Elective	Fall & Spring		3	
Free Elective	Fall & Spring		3	Free Elective	Fall & Spring		1	
Semester Total			14	Semester Total			14	
				Degree Units Total			120	

BIOLCNSBSX

Last modified

7/24/2025

The roadmap is an academic planning resource. Students should refer to their PAWS Report and Academic Catalog for graduation requirements.