

**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 B1)	Fall & Spring	MATH 1401 or 2210 (Corequisite)	4	CHEM 2200	Fall & Spring	CHEM 2100	4	
CHEM 2100L (GE B3)	Fall & Spring	CHEM 2100 (Corequisite)	1	CHEM 2200L	Fall & Spring	CHEM 2200 (Corequisite)	1	
MATH 2210 (GE B4)	Fall & Spring		4	Critical Thinking (GE A3)	Fall & Spring		3	
Foundation Seminar (GE E)	Fall & Spring		3	Written Communication (GE A2)	Fall & Spring		3	
Oral Communication (GE A1)	Fall & Spring		3	General Education	Fall & Spring		3	
<b>Semester Total</b>			<b>15</b>	<b>Semester Total</b>			<b>14</b>	

Year 2: Sophomore Year				Year Total				31
Fall Semester	Terms Offered	Prerequisite Courses	Units	Spring Semester	Terms Offered	Prerequisite Courses	Units	
BIOL 2010 (GE B2)	Fall	CHEM 2100 with a grade of C or higher	5	BIOL 2020	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	
<b>Semester Total</b>			<b>16</b>	<b>Semester Total</b>			<b>15</b>	

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-D	Fall & Spring	BIOL 2020 with a grade of C or better	4	BIOL elective, incl. but not limited to Group A-D	Fall & Spring	BIOL 2020 with a grade of C or better	4	
BIOL elective, incl. but not limited to Group A-D	Fall & Spring	BIOL 2020 with a grade of C or better	4	BIOL elective, incl. but not limited to Group A-D	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	Fall & Spring		3	General Education	Fall & Spring		3	
<b>Semester Total</b>			<b>16</b>	<b>Semester Total</b>			<b>16</b>	

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-D	Fall & Spring	BIOL 2020 with a grade of C or better	4	
BIOL elective, incl. but not limited to Group A-D	Fall & Spring	BIOL 2020 with a grade of C or better	4	BIOL elective, incl. but not limited to Group A-D	Fall & Spring	BIOL 2020 with a grade of C or better	3	
BIOL elective, incl. but not limited to Group A-D	Fall & Spring	BIOL 2020 with a grade of C or better	3	Free Elective			3	
General Education	Fall & Spring		3	Free Elective	Fall & Spring		3	
Free Elective	Fall & Spring		3	Free Elective	Fall & Spring		1	
<b>Semester Total</b>			<b>14</b>	<b>Semester Total</b>			<b>14</b>	
<b>Degree Units Total</b>							<b>120</b>	

BIOLCNSBSX

Last modified 2022-02-19

The roadmap is an academic planning resource. Students should refer to their PAWS report and CSUSB Bulletin/Catalog for graduation requirements.