

California State University, Chico  
**MAJOR ACADEMIC PLAN (MAP)**

Major: **The Bachelor of Science in Biological Sciences**  
Option: **Biological Sciences (Cellular and Molecular Biology)**  
Pattern:

**Degree Units: 120**  
**Major Units: 78**  
**Elective Units: 9**

First Semester	Second Semester	Comments
BIOL 109 1	BIOL 152 4	[*MCAT] Pre-health students are strongly advised to enroll in BIOL 416 in preparation for MCAT exam. [*C-] C- or Better is required.
BIOL 151 (GE Area B2) 4	CHEM 112 4	
CHEM 111 (GE B1) [*C-] 4	MATH 109 or MATH 120 (GE A4) [*C-] 4	
GE Area A [*C-] 3	GE Area A [*C-] 3	<b>Notes</b> <b>Review your Degree Progress Report (DPR) in your Student Center, meet with your Major Department Advisor for major coursework, and meet with an Academic Advisor in SSC 220 to review General Education and Graduation requirements.</b> It is recommended that you meet with your major advisor early in your academic career and every semester. Consider meeting the United States Diversity and Global Cultures requirements within GE courses. <b>University Writing Requirement:</b> You must complete a GE Written Communication (A2) course with a grade of C- or higher, and a Graduation Writing Assessment Requirement (GW) course in your major with a grade of C- or higher. In addition you must complete 2 additional Writing (W) courses, see your DPR for specific writing course options. Apply to graduate one year before anticipated graduation date. Priority registration is guaranteed your final semester if you applied for graduation by the stated deadline.
GE Area A [*C-] 3		
<b>Total Units: 15</b>	<b>Total Units: 15</b>	
Third Semester	Fourth Semester	
BIOL 153 4	BIOL 350W (GW) [*C-] 3	
CHEM 270 4	PHYS 202B 4	
PHYS 202A (GE B1) [*C-] 4	CHEM 370 3	
GE Area C 3	GE Area D 3	
	HIST 130 or POLS 155 3	
<b>Total Units: 15</b>	<b>Total Units: 16</b>	
Fifth Semester	Sixth Semester	
BIOL 360 or GE UDB SUB 4	BIOL 409 (SP) 4	
ENVL 105 or ENVL 105W (GE Area E) 3	CHEM 451 3	
MATH 315 3	Cellular Elective [*MCAT] 4	
GE UD Pathway 3	HIST 130 or POLS 155 3	
Elective 3		
<b>Total Units: 16</b>	<b>Total Units: 14</b>	
Seventh Semester	Eighth Semester	
BIOL 411 (FA) 4	BIOL 492 1	
CHEM 453L 1	Cellular Elective 4	
Cellular Elective 4	GE Area D 3	
GE Area C 3	GE UD Pathway 3	
Elective 3	Elective 3	
<b>Total Units: 15</b>	<b>Total Units: 14</b>	

*(Consult the 2018-2019 University Catalog for official degree program)*

**Fully Online: 06/01/2018**