

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

Major: **The Bachelor of Science in Microbiology**  
 Option: **Microbiology (General Microbiology)**  
 Pattern:

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

First Semester		Second Semester		Comments
BIOL 109	1	BIOL 152	4	[*400] OR any 400 level biology (BIOL) course. Consult with your major advisor.
CHEM 111 (GE B1) [*C-]	4	CHEM 112 [*C-]	4	
GE Area B2 or BIOL 151	4	MATH 109 (GE A4) [*C-]	4	[*C-] C- or Better is required.
GE Area A [*C-]	3	GE Area A [*C-]	3	
GE Area A [*C-]	3	<b>Total Units:</b>	<b>15</b>	
<b>Total Units:</b>	<b>15</b>			
Third Semester		Fourth Semester		Notes
BIOL 153	4	BIOL 371 (WP) [*C-]	4	<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 (including Writing Intensive "WI" and Capstone "Z") and Graduation requirements.</b>
CHEM 270	4	CHEM 370	3	
PHYS 202A (GE B1) [*C-]	4	CHEM 370L	1	It is recommended that you meet with your major advisor early in your academic career and every semester.
GE Area C	3	PHYS 202B	4	
<b>Total Units:</b>	<b>15</b>	GE Area C	3	Consider meeting the United States Diversity and Global Cultures requirements within GE courses.
		<b>Total Units:</b>	<b>15</b>	
Fifth Semester		Sixth Semester		Complete a minimum of 4 Writing Intensive (WI) courses-one will be met by your Written Communication Course and one by your Capstone Course; select 2 additional WI courses.
BIOL 360	4	BIOL 412 (Odd SP)	4	
CHEM 451	3	ENVL 105 or ENVL 105I (GE Area E)	3	Select a GE Capstone Course in your Upper-Division Pathway, or substitute an approved Major Capstone course from the GE Capstone Requirement.
CHEM 453L	1	GE Area D	3	
GE Area D	3	HIST 130 or POLS 155	3	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.
HIST 130 or POLS 155	3	Elective	3	
<b>Total Units:</b>	<b>14</b>	<b>Total Units:</b>	<b>16</b>	
Seventh Semester		Eighth Semester		
BIOL 402 (FA)	4	BIOL 399 [*400]	2	
BIOL 466 or BIOL 470 or BIOL 472 or BIOL 476	4-5	BIOL 466 or BIOL 470 or BIOL 472 or BIOL 476	4-5	
CHEM 320 or MATH 315	3-4	GE UD Pathway	3	
GE UD Pathway	3	Elective	3	
<b>Total Units:</b>	<b>14-16</b>	Elective	3	
		<b>Total Units:</b>	<b>15-16</b>	

*(Consult the 2017-2018 University Catalog for official degree program)*

**Fully Online: 06/01/2017**