

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.  [*C-] C- or Better is required.												
CHEM 111 (GE B1) [*C-]	4	CHEM 112 [*C-]	4													
BIOL 151 (GE Area B2)	4	MATH 105 or MATH 130 or MATH 109 or MATH 120 ()	3-4	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr style="background-color: #8B4513; color: white;"> <th colspan="2" style="text-align: center;">Notes</th> </tr> </thead> <tbody> <tr> <td colspan="2" style="padding: 5px;"><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></td> </tr> <tr> <td colspan="2" style="padding: 5px;">It is recommended that you meet with your major advisor early in your academic career and every semester.</td> </tr> <tr> <td colspan="2" style="padding: 5px;">Consider meeting the United States Diversity and Global Cultures requirements within GE courses.</td> </tr> <tr> <td colspan="2" style="padding: 5px;"><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.</td> </tr> <tr> <td colspan="2" style="padding: 5px;">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.</td> </tr> </tbody> </table>	Notes		<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.	
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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>14-15</b>													
Third Semester		Fourth Semester														
BIOL 153	4	BIOL 371W (GW) [*C-]	4													
CHEM 270	4	CHEM 370	3													
PHYS 202A (GE B1) [*C-]	4	CHEM 370L	1													
GE Area C	3	PHYS 202B	4													
		GE Area C	3													
<b>Total Units:</b>	<b>15</b>	<b>Total Units:</b>	<b>15</b>													
Fifth Semester		Sixth Semester														
GE Area D	3	GE Area D	3													
BIOL 360 or GE UDB SUB	4	ENVL 105 or ENVL 105W (GE Area E)	3													
CHEM 451	3	HIST 130 or POLS 155	3													
CHEM 453L	1	BIOL 412 (S1)	4													
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													
		Elective	3													
<b>Total Units:</b>	<b>14-16</b>	<b>Total Units:</b>	<b>15-16</b>													

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

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