

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

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

**Degree Units: 120**  
**Major Units: 78**  
**Elective Units: 6**

First Semester		Second Semester		Comments
BIOL 151 (GE Area B2)	4	BIOL 152 (SP)	4	
CHEM 111 (GE Area B1)	4	CHEM 112	4	
MATH 109 (GE Area A4) [*C-]	4	GE Area A1 [*C-]	3	[*C-] C- or Better is required.
GE Area A [*C-]	3	GE Area A3 [*C-]	3	
<b>Total Units:</b>	<b>15</b>	<b>Total Units:</b>	<b>14</b>	
Third Semester		Fourth Semester		Notes
BIOL 153 (FA)	4	BIOL 371 (WP) [*C-]	4	
CHEM 270	4	CHEM 370	3	
PHYS 202A	4	CHEM 370L	1	
GE Area C	3	PHYS 202B	4	
		Elective	3	
<b>Total Units:</b>	<b>15</b>	<b>Total Units:</b>	<b>15</b>	
Fifth Semester		Sixth Semester		
BIOL 360	4	BIOL 466 (SP)	4	
CHEM 320	4	CHEM 451	3	
ENVL 105 (GE Area E)	3	GE Area D	3	
GE Area D	3	GE UD Theme	3	
HIST 130 or POLS 155	3	HIST 130 or POLS 155	3	
<b>Total Units:</b>	<b>17</b>	<b>Total Units:</b>	<b>16</b>	
Seventh Semester		Eighth Semester		
CHEM 453L	1	BIOL 416	4	
BIOL 470 (WP) (FA) [*C-]	5	BIOL 462 (Odd SP)	3	
BIOL 399 [*400]	2	GE UD Theme	3	
GE Area C	3	Elective	4	
GE UD Theme	3			
<b>Total Units:</b>	<b>14</b>	<b>Total Units:</b>	<b>14</b>	

*(Consult the 2011-2012 University Catalog for official degree program)*

Approved: 07/11/2011