

# California State University San Marcos

## Major: Chemistry BS Co-Op: 2x7 month work terms; 5-year plan

**Catalog Year:** Current

**Degree Units:** 120 Assumes taking MATH 160 1st semester

Semester 1: Fall		Semester 2: Spring		Semester 2S: Summer	
CHEM 150 (B1)	4	CHEM 162	4	Optional Study	
CHEM 150L (B3)	1	MATH 162	4	to lighten Semester 2	
GE - Area E: Life Long Learning	3	PHYS 201	4	GE - C3: Language Course	
MATH 160 (B4)	5	GE - C3: Language Course	3		
GE - A2: Written Communication	3	Professional Transition Pre-COOP Seminar	2	OR	
				to lighten Semester 4	
				GES 103	
<b>Total Units</b>	<b>16</b>	<b>Total Units</b>	<b>17</b>	<b>Total Units</b>	<b>0</b>

Semester 3: Fall		Semester 4: Spring		Semester 4S: Summer	
CHEM 201	3	CHEM 202	3	1st CO-OP	0
CHEM 201L	2	CHEM 202L	2		
PHYS 202	4	CHEM 300	3		
GE - A3: Critical Thinking	3	MATH 260	4		
GE - A1: Oral Communication	3	GES 103 (B2)	3		
<b>Total Units</b>	<b>15</b>	<b>Total Units</b>	<b>15</b>	<b>Total Units</b>	<b>0</b>

Semester 5: Fall		Semester 6: Spring		Semester 6S: Summer	
1st CO-OP	0	CHEM 404	4	Optional Study or Work Term	
COOP 295	0	CHEM 404L	1		
		CHEM 275	4		
		CHEM 401	4		
		CHEM 405 (spring only)	2		
<b>Total Units</b>	<b>0</b>	<b>Total Units</b>	<b>15</b>	<b>Total Units</b>	<b>0</b>

Semester 7: Fall		Semester 8: Spring		Semester 8S: Summer	
CHEM 402 (fall only)	3	2nd CO-OP	0	2nd CO-OP	0
CHEM 341	3	COOP 495	0		
GE - C1, C2, DH, DC, F	3				
GE - C1, C2, DH, DC, F	3				
GE Upper Division (double D + E req.)	3				
<b>Total Units</b>	<b>15</b>	<b>Total Units</b>	<b>0</b>	<b>Total Units</b>	<b>0</b>

Semester 9: Fall		Semester 10: Spring		Semester 10S: Summer	
CHEM 498 or 499	2	CHEM 498 or 499	2		
Upper Division Science Elective	3	CHEM 416 (last semester)	5		
GE - C1, C2, DH, DC, F	3	GE - C1, C2, DH, DC, F	3		
Upper Division Science Elective	3	GE - C1, C2, DH, DC, F	3		
GE Upper Division (double D + E req.)	3				
<b>Total Units</b>	<b>14</b>	<b>Total Units</b>	<b>13</b>	<b>Total Units</b>	<b>0</b>

**Optional Summer Study Terms:** Would be a great time to complete Lower and Upper Division GE requirements, if you want to take less units/semester.