

# 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 105 1st semester

Semester 1: Fall	
MATH 105/5 (CHEM 150 req, B4)	4
GE - Area E: Life Long Learning	3
GE - A1: Oral Communication	3
GE - A2: Written Communication	3
GES 103 (B2)	3
<b>Total Units</b>	<b>16</b>

Semester 2: Spring	
CHEM 150 (B1)	4
CHEM 150L (B3)	1
GE A-3 Critical Thinking	3
GE - C3: Language Course	3
Professional Transition Pre-COOP Seminar	2
<b>Total Units</b>	<b>13</b>

Semester 2S: Summer	
MATH 160 (B4)	5
<b>Total Units</b>	<b>0</b>

Semester 3: Fall	
CHEM 162	4
PHYS 201	4
MATH 162	4
GE - C1, C2, DH, DC, F	3
<b>Total Units</b>	<b>15</b>

Semester 4: Spring	
CHEM 201	3
CHEM 201L	2
CHEM 300	3
MATH 260	4
GE - C1, C2, DH, DC, F	3
<b>Total Units</b>	<b>15</b>

Semester 4S: Summer	
1st CO-OP	0
<b>Total Units</b>	<b>0</b>

Semester 5: Fall	
1st CO-OP	0
COOP 295	0

Semester 6: Spring	
CHEM 202	3
CHEM 202L	2
CHEM 275	4

Semester 6S: Summer	
Optional Study or Work Term	

<b>Total Units</b>	<b>0</b>

CHEM 401	4
CHEM 405 (spring only)	2
<b>Total Units</b>	<b>15</b>

<b>Total Units</b>	<b>0</b>

Semester 7: Fall	
CHEM 402 (fall only)	3
CHEM 341	3
PHYS 202	4
CHEM 404	4
CHEM 404L	1
<b>Total Units</b>	<b>15</b>

Semester 8: Spring	
2nd CO-OP	0
COOP 495	0
<b>Total Units</b>	<b>0</b>

Semester 8S: Summer	
2nd CO-OP	0
<b>Total Units</b>	<b>0</b>

Semester 9: Fall	
CHEM 498 or 499	2
Upper Division Science Elective	3
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>14</b>

Semester 10: Spring	
CHEM 498 or 499	2
CHEM 416	5
GE Upper Division (double D + E req.)	3
Upper Division Science Elective	3
GE - C1, C2, DH, DC, F	3
<b>Total Units</b>	<b>16</b>

Semester 10S: Summer	
<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.