

**California State University, Bakersfield**  
**B.S. in Chemistry**  
**Concentration: Management and Marketing**  
**2023-2024 Four-Year Roadmap to Graduation**

Units Required to Graduate	120
Upper Division Units Required	40
Units in Residence Required	30

Year	Fall Schedule	Spring Schedule		
<b>1</b>	GE FYS: CSUB 1029	2	GE A3: Critical Thinking	3
	GE A1: Oral Communication	3	Major - CHEM 1001	2
	GE A2: ENGL 1109	3	Major - CHEM 1100	2
	Major - CHEM 1000	3	Major - CHEM 1600	2
	Major - MATH 2010 or 2310 or 2510	4	Major - CHEM 2300	3
			Major - MATH 2020 or 2320 or 2520	4
	Units <u>15</u>	Units <u>16</u>	Completed Units through Year 1 <u>31</u>	
	<b>Fall Milestones</b>	<b>Spring Milestones</b>		
	Meet with faculty advisor	Meet with faculty advisor		

Year	Fall Schedule	Spring Schedule		
<b>2</b>	GE B2 or C or D	3	GE B2 or C or D	3
	GE B2 or C or D	3	Major - CHEM 2200 (or 2240)	2
	GE AI: History or Government	3	Major - CHEM 3110	3
	Major - CHEM 2110	3	Major - MGMT 3000 or 3100 or MKT 3000	3
	Major - PHYS 2110 or 2210	4	Major - PHYS 2120 or 2220	4
	Units <u>16</u>	Units <u>15</u>	Completed Units through Year 2 <u>62</u>	
	<b>Fall Milestones</b>	<b>Spring Milestones</b>		
	Meet with faculty advisor			

Important Notes
*Area F is only required for incoming freshman in Fall 2021
**The SELF and GVAR requirements are met by completing CHEM 3908.
• Courses may not always be taught in the semester shown. Check for the most current list of projected course offerings.
• Area A4, Area B1, and UD Area B requirements are satisfied within the major; you DO NOT need to take them.
• Be sure to meet with your chemistry faculty advisor frequently to ensure you are meeting all degree requirements.
• This is just one example of how to schedule classes to graduate in 4 years. Other schedules may be equally valid.

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<b>3</b>	GE B2 or C or D 3	GE JYDR: Junior Year Diversity Reflection 3
	GE F* 3	Major - CHEM 2900 2
	GE AI: History or Government 3	Major - CHEM 3300 3
	Major - CHEM 4200 3	Major - CHEM 3301 2
	Major - MGMT 3000 or 3100 or MKTG 3000 3	Major - CHEM 3600 3
		Major - MGMT 3000 or 3100 or MKTG 3000 3
	Units 15	Units 16
		Completed Units through Year 3 93
	<b>Fall Milestones</b>	<b>Spring Milestones</b>
	Meet with faculty advisor	

Year	Fall Schedule	Spring Schedule
<b>4</b>	GE UDC or D: Upper Division Theme 3	GE Capstone/Major - CHEM 4908 3
	GE UDC or D: Upper Division Theme 3	Major - CHEM 2400 2
	Major - CHEM 3908** 3	Major - CHEM 3610 3
	Major - CHEM 4100 1	Major - MGMT or MKTG elective 2 3
	Major - CHEM 4101 1	Additional 2 unit course 2
	Major - MGMT or MKTG elective 1 3	
	Units 14	Units 13
		Completed Units through Year 4 120
	<b>Fall Milestones</b>	<b>Spring Milestones</b>
	Meet with faculty advisor	Purchase Cap & Gown
	Apply for graduation	

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