

**California State University, Bakersfield**  
**B.S. in Biochemistry**  
**Concentration: Food Science**  
**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	15	Units	16
			Completed Units through Year 1	31
	<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 C or D	3	GE C or D	3
	Major - CHEM 2400	2	GE C or D	3
	Major - CHEM 2940	2	GE AI: History and Government	3
	Major - CHEM 3300	3	Major - BIOL 2010	4
	Major - CHEM 3301	2	Major - PHYS 2120 or 2220	4
	Major - PHYS 2110 or 2210	4		
	Units	16	Units	17
			Completed Units through Year 2	64
	<b>Fall Milestones</b>		<b>Spring Milestones</b>	
	Meet with faculty advisor			

Important Notes
<p>*Area F is only required for incoming freshman in Fall 2021</p> <p>**The SELF and GWAR requirements are met by completing CHEM 3948.</p> <ul style="list-style-type: none"> <li>• Courses may not always be taught in the semester shown. Check for the most current list of projected course offerings.</li> <li>• Area A4, Area B, and UD Area B requirements are satisfied within the major; you DO NOT need to take them.</li> <li>• Be sure to meet with your chemistry faculty advisor frequently to ensure you are meeting all degree requirements.</li> <li>• This is just one example of how to schedule classes to graduate in 4 years. Other schedules may be equally valid.</li> </ul>

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<b>3</b>	GE F*	3
	GE AI: History and Government	3
	Major - CHEM 3400	2
	Major - CHEM 3401	2
	Major - BIOL 3420 or 2230 or 3410	4
	Units <u>14</u>	
		GE JYDR: Junior Year Diversity Reflection 3
		Major - BIOL 2110 or 2120 4
		Major - CHEM 3110 or 3500 4
		Major - CHEM 4400 2
		Major - CHEM 4510 2
		Units <u>15</u>
		Completed Units through Year 3 93
	<b>Fall Milestones</b>	<b>Spring Milestones</b>
	Meet with faculty advisor	Apply for graduation

Year	Fall Schedule	Spring Schedule
<b>4</b>	GE UDC or D: Upper Division Theme	3
	GE UDC or D: Upper Division Theme	3
	Major - CHEM 3510	1
	Major - CHEM 3948**	3
	Major - CHEM 4500	3
	Units <u>13</u>	
		GE Capstone/Major - CHEM 4948 3
		Major - CHEM 2240 (or 2200) 3
		Major - CHEM 3600 3
		Major - CHEM 4850 1
		Additional 3 unit course 3
		Additional 1 unit course 1
		Units <u>14</u>
		Completed Units through Year 4 120
	<b>Fall Milestones</b>	<b>Spring Milestones</b>
	Meet with faculty advisor	Purchase Cap & Gown

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