

**California State University, Bakersfield**  
**B.S. in Biochemistry**  
**Concentration: Food Science**

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

**2023-2024 Four-Year Roadmap to Graduation**

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

| Year | Fall Schedule  |                            | Spring Schedule   |                       |
|------|--|----------------------------|---|-----------------------|
| 2    | GE C or D<br>Major - CHEM 2400<br>Major - CHEM 2940<br>Major - CHEM 3300<br>Major - CHEM 3301<br>Major - PHYS 2110 or 2210 | 3<br>2<br>2<br>3<br>2<br>4 | GE C or D<br>GE C or D<br>GE AI: History and Government<br>Major - BIOL 2010<br>Major - PHYS 2120 or 2220 | 3<br>3<br>3<br>4<br>4 |
|      |  | Units 16                   |   | Units 17              |
|      |  |                            | Completed Units through Year 2  | 64                    |
|      | Fall Milestones  |                            | Spring Milestones   |                       |
|      | Meet with faculty advisor  |                            |   |                       |

**Important Notes**

\*Area F is only required for incoming freshman in Fall 2021

\*\*The SELF and GWAR requirements are met by completing CHEM 3948.

- Courses may not always be taught in the semester shown. Check for the most current list of projected course offerings.
- Area A4, Area B, 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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|------|---|---|
| 3    | GE F*<br>GE AI: History and Government<br>Major - CHEM 3400<br>Major - CHEM 3401<br>Major - BIOL 3420 or 2230 or 3410 | GE JYDR: Junior Year Diversity Reflection<br>Major - BIOL 2110 or 2120<br>Major - CHEM 3110 or 3500<br>Major - CHEM 4400<br>Major - CHEM 4510 |
|      | Units <u>14</u>   | Units <u>15</u><br>Completed Units through Year 3 <u>93</u>   |
|      | <b>Fall Milestones</b><br>Meet with faculty advisor   | <b>Spring Milestones</b><br>Apply for graduation  |

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

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