

## Roadmap – BS in Natural Sciences – Chemistry Concentration

The following roadmap provides one way in which to graduate within four years. This is not intended to represent the only order for planning courses. For General Education (GE) courses without specific course requirements, only the suggested area is listed. Please see the GE requirements sheet for specific course options.

### Notes:

This roadmap assumes no remediation necessary. Mathematics and English remediation coursework should generally be completed before attempting regular courses in science.

General education Areas A1-A4 should be completed in the freshman year.

General education Area B is satisfied as part of the major.

To graduate in 4 years, you must average at least 15 units/Semester.

You will need  $\geq 4$  additional, unspecified units to achieve a total of 120 units; most students will satisfy this with Mathematics prerequisites unless you enter the university having satisfied them.

These example roadmaps cannot, and should not, substitute for proper advising. Students and advisors should consult the class schedule for an accurate listing of course offerings and the university catalog for course descriptions.

<b>Semester Year</b>	<b>Fall GE area or Course (units)</b>	<b>Spring GE area or Course (units)</b>
<b>1</b>  <b>31-33 Units</b>	CSUB 1009 (1) GE A1: COMM 1008 (3) GE A2: ENGL 1109 (3) GE A4: MATH 2010 (4) or prereq (4-6) CHEM 1000 (3)  <b>14-16 Units</b>	CSUB 1019 (1) GE A3 (3) GE Government (3) BIOL 2010 (4) CHEM 1001 (2) MATH 2010 (4) or 2020 (4)  <b>17 Units</b>
<b>2</b>  <b>29-33 Units</b>	GE LD D 1 <sup>st</sup> course (3) GE History (3) CHEM 1100 (2) CHEM 1600 (2) PHYS 2110 (4) MATH 2020 (4; if needed) <b>14-18 Units</b>	GE LD D 2 <sup>nd</sup> course (3) BIOL 2110 (4) CHEM 2200 (2) CHEM 2300 (2) PHYS 2120 (4)  <b>15 Units</b>
<b>Junior 3</b>  <b>30 Units</b>	GE LD C1 (3) BIOL 2120 (4) CHEM 2400 (2) CHEM 2900 (2) GEOL 2010 (4)  <b>15 Units</b>	GE LD C2 (3) GE: JYDR: EDTE 3308 (3) CHEM 2840 (2) CHEM 3600 (3) GEOL 2040 (4) GWAR Exam (0)  <b>15 Units</b>
<b>Senior 4</b>  <b>26-31 Units</b>	GE UD C (3) CHEM 3100 (4) CHEM 3900 (2) CHEM 4840 (2) GEOL 3080 (4) or PHYS 1609 (3) GWAR (if necessary (3)) Credential Information meeting (0)  <b>14-18 Units</b>	GE UD D (3) GE Capstone (1) CHEM 4830 (1) CHEM 4900 (2) CHEM 3300 (3) CHEM 3301 (2) SELF (1; if needed) CSET (0)  <b>12-13 Units</b>