

## Roadmap – BS in Natural Sciences – Biology Concentration

The following roadmap provides one way in which to graduate within four years. These are not meant to represent the only order for planning courses. Note that General Education (GE) courses tend to be taught every quarter with few sequencing requirements. For GE courses without specific courses required, only the suggested area is listed. Please see the General education 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  $\geq 2$  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>27-33 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) if needed  <b>13-17 Units</b>
<b>2</b>  <b>31 Units</b>	GE LD D 1 <sup>st</sup> course (3) GE History (3) CHEM 1100 (2) PHYS 2110 (4) BIOL 2110 (4)  <b>16 Units</b>	GE LD D 2 <sup>nd</sup> course (3) BIOL 2120 (4) CHEM 1600 (2) CHEM 2300 (2) PHYS 2120 (4)  <b>15 Units</b>
<b>Junior 3</b>  <b>30-31 Units</b>	GE LD C1 (3) BIOL 2210 or MATH 2020 or Elective (4) BIOL 3120 (4) GEOL 2010 (4) GE: SELF (1; if needed)  <b>15-16 Units</b>	GE LD C2 (3) GE: JYDR: EDTE 3308(3) BIOL 3010 (3) BIOL 3020 (3) GEOL 2040 (4) GWAR Exam (0)  <b>16 Units</b>
<b>Senior 4</b>  <b>29-33 Units</b>	GE UD C (3) BIOL 3110 (3) BIOL 3410 (4) GEOL 3080 (4) or PHYS 1609 (3) GWAR (if necessary (3)) GE Capstone (1) Credential Information meeting (0)  <b>14-18 Units</b>	GE UD D (3) BIOL 2220 or 3550 (4) BIOL 4100 (3) BIOL elective >4200 (4) BIOL 4910 (1) CSET (0)  <b>15 Units</b>