

Roadmap – BS in Natural Sciences – Physics 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 ≥ 3 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.

The electives in physics can be taken as one or more classes that total at least 4 units.

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.

Semester Year	Fall GE area or Course (units)	Spring GE area or Course (units)
1 31-33 Units	CSUB 1009 (1) GE A1: COMM 1008 (3) GE A2: ENGL 1109 (3) GE A4: MATH 2510 (4) or prereq (4-6) CHEM 1000 (3) 14-16 Units	CSUB 1019 (1) GE A3 (3) GE Government (3) GEOL 2010 (4) CHEM 1001 (2) MATH 2510 (4) or 2520 (4) 17 Units
2 29-33 Units	GE LD D 1 st course (3) GE History (3) CHEM 1100 (2) PHYS 2210 (4) MATH 2520 or 2530 (4) 16 Units	GE LD D 2 nd course (3) MATH 2530 (4; if needed) CHEM 1600 (2) PHYS 2220 (4) GEOL 2040 (4) 13-17 Units
Junior 3 29-30 Units	GE LD C1 (3) PHYS 2230 (4) PHYS 2070 (4) GEOL 3080 (4) or PHYS 1609 (3) CHEM 2300 (2) 16-17 Units	BIOL 2010 (4) GE: JYDR: EDTE 3308 (3) PHYS 3010 (3) PHYS 3070 (3) GWAR Exam (0) GE: SELF (1; if needed) 13-14 Units
Senior 4 28-32 Units	GE UD C (3) PHYS 3500 (2) PHYS 3510 (2) GE LD C2 (3) BIOL 2110 (4) GWAR (if necessary (3)) Credential Information meeting (0) 14-17 Units	GE UD D (3) PHYS Electives* >3000 (4) PHYS 4900 (2) BIOL 2120 (4) GE Capstone (1) CSET (0) 14 Units