

Biological Science B.S. Degree - Four Year Sample Roadmap

College of Arts and Sciences (CAS) or College of Agriculture and Life Science (CALs)

The following is one example what an overall course of study for a Biological Science B.S. degree might look like. A student's actual path will vary depending upon each individual's ability, choice of courses and program goals. Many required courses are offered both semesters, and most university- and college-required electives can be taken in any year, providing many alternate paths.

Fall Semester - Year 1	Credits	Spring Semester - Year 1	Credits
Exploring Biology I (BCOR 1400)	4	Exploring Biology II (BCOR 1450)	4
General Chemistry I (CHEM 1400)	4	General Chemistry II (CHEM 1450)	4
Calculus I (MATH 1212)	3	Calculus II (MATH 1224)	3
FYS* course, ENGL 1001, -or- Communication Mthds (CALs1010)	3	U/C Elective** -or- Information Techn. (CALs 1020)	3
Elective	1	First-Year Biology Seminar	1
Total	15	Total	15

Fall Semester - Year 2	Credits	Spring Semester - Year 2	Credits
Ecology & Evolution (BCOR 2100)	4	Genetics (BCOR 2300)	3
Statistics (STAT 1410)	3	Molecular & Cell Bio. (BCOR 2500)	4
Organic Chemistry I (CHEM 2580)	4	Organic Chemistry II (CHEM 2585)	4
U/C Elective -or- Elective	1-3	U/C Elective -or- Elective	1-3
U/C Elective	3-4	U/C Elective -or- Major elective	3-4
Total	15-18	Total	15-18

Fall Semester - Year 3	Credits	Spring Semester - Year 3	Credits
Physics I (PHYS 1400)	4	Physics II (PHYS 1450)	4
Physics Problem Solving (PHYS 1410)	1	Physics Problem Solv. (PHYS 1460)	1
Major Elective	3-4	Major Elective	3-4
U/C Elective	3	U/C Elective	3
Elective -or- U/C Elective	3	Elective -or- U/C Elective	3
Elective	1	Elective	1-3
Total	15-16	Total	15-18

Fall Semester - Year 4	Credits	Spring Semester - Year 4	Credits
Undergrad. Research -or- Major Elec.	3	Undergrad. Research -or- Major Elec	3
Major Elective	3-4	Major Elective	3-4
Major Elective	3-4	Major Elective -or- U/C Elective	3-4
U/C Elective	3	U/C Elective	3
Elective -or- U/C Elective	3	Elective -or- U/C Elective	1-3
Total	15-17	Total	13-17

*FYS = First Year Seminar: first year writing-intensive courses offered through CAS only, which satisfies the university's writing requirement. More at <https://www.uvm.edu/cas/first-year-experience-programs>.

**U/C Elective = an elected course that fulfills one or more University or College-level requirements. Lists are provided in the schedule of courses each semester. CALs 1010 and 1020 are among the requirements for CALs students.