

Bachelor of Arts - Biology or Zoology - Sample Four-Year Roadmap

College of Arts and Sciences (CAS)

The following is one general example of an overall course of study for a Biology or Zoology B.A. degree. Please see specific degree, university, and college requirements in the UVM Catalog (catalog.uvm.edu). *The B.A. degree from CAS requires completion of a minor.*

Fall Semester - Year 1	Credits	Spring Semester - Year 1	Credits
Exploring Biology I	4	Exploring Biology II	4
General Chemistry I	4	General Chemistry II	4
Calculus I	3	Statistics <i>-or-</i> Quantitative Course ³	3
FYS course ¹ <i>-or-</i> Univ./College Req. ²	3	University/College Req.	3
Elective	1	First-Year Biol/Zool Seminar	1
Total	15	Total	15

Fall Semester - Year 2	Credits	Spring Semester - Year 2	Credits
Ecology & Evolution ⁴ <i>-or-</i> Genetics	4	Genetics <i>-or-</i> Ecology & Evolution	3
Organic Chemistry I	4	Organic Chemistry II <i>-or-</i> Elective	3-4
Minor Course	3	Molecular & Cell Biol. ⁴ <i>-or-</i> Stats II ⁵	3-4
University/College Req.	3	Minor Course	3
Elective	1-3	University/College Req.	3
Total	15-17	Total	15-17

Fall Semester - Year 3	Credits	Spring Semester - Year 3	Credits
Major Course ⁶	3-4	Major Course	3-4
Minor Course	3-4	Minor Course	3-4
Undergrad. Research ⁷ <i>-or-</i> Major Course	2-3	Undergrad. Research <i>-or-</i> Elective	2-3
University/College Req.	3	University/College Req.	3
University/College Req.	3	University/College Req.	3
Total	14-17	Total	14-17

Fall Semester - Year 4	Credits	Spring Semester - Year 4	Credits
Major Course	3-4	Major Course	3-4
Minor Course	3	Minor Course	3
Undergrad. Research <i>-or-</i> Elective	3	Undergrad. Research <i>-or-</i> Elective	1-3
University/College Req.	3	University/College Req.	3
University/College Req. <i>-or-</i> Elective	3	University/College Req. <i>-or-</i> Elective	3
		Senior seminar for maj. concentration	1
Total	15-16	Total	14-17

¹ FYS = First Year Seminar: first year writing-intensive courses offered through CAS, which satisfy the university's writing requirement. More at <https://www.uvm.edu/cas/first-year-experience-programs>.

² University/College Req. = an elected course that fulfills one or more University or College-level requirements.

³ One additional quantitative course (Math, Physics, or Statistics) is required for the Zoology BA; this may vary.

⁴ For Zoology and some Biology concentrations, either *Ecology & Evolution* or *Molecular & Cell Bio* is required for the major.

⁵ A second semester of Statistics is required for the Ecology & Evolutionary Biology concentration of the Biology BA.

⁶ Major Course: Advanced courses required for the major. Some are pre-determined and some are elected.

⁷ Undergraduate research is not required, but encouraged. These credits do not apply to the BA majors.