

## 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](http://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 -or- Quantitative Course <sup>3</sup>	3
FYS course <sup>1</sup> -or- Univ./College Req. <sup>2</sup>	3	University/College Req.	3
Elective	1	First-Year Biol/Zool Seminar	1
<b>Total</b>	<b>15</b>	<b>Total</b>	<b>15</b>

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

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

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 -or- Elective	3	Undergrad. Research -or- Elective	1-3
University/College Req.	3	University/College Req.	3
University/College Req. -or- Elective	3	University/College Req. -or- Elective	3
		Senior seminar for maj. concentration	1
<b>Total</b>	<b>15-16</b>	<b>Total</b>	<b>14-17</b>

<sup>1</sup> 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>.

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

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

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

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

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

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