

## ZOOLOGY B.S.

All students must meet the Degree and University Requirements.

All students must meet the Catamount Core Curriculum Requirements.

All students must meet the College Requirements.

### MAJOR REQUIREMENTS

Students who are pursuing the B.S. in Zoology are required to take at least 84 credits of coursework in the College of Arts and Sciences.

At least 41 credits in major courses, plus 34-35 credits in ancillary courses, including:

Requirement Description	Credits
<b>CORE REQUIREMENTS. At least 11 credits.</b>	
BIOLOGY. Choose 1 of the following options:	8
Option A (recommended):	
BCOR 1400 & BCOR 1450	Exploring Biology 1 and Exploring Biology 2
Option B:	
BIOL 1000 & BIOL 1005	AP Biology 1 and AP Biology 2
Option C:	
BIOL 1000 & BCOR 1425	AP Biology 1 and Accelerated Biology
Option D:	
BIOL 1400 & BIOL 1450	Principles of Biology 1 and Principles of Biology 2
BCOR 2300	Genetics
Choose 1 of the following:	3
BCOR 2100	Ecology and Evolution
BCOR 2500	Molecular & Cell Biology w/lab
<b>ANCILLARY REQUIREMENTS. At least 34 credits.</b>	
CHEMISTRY.	16
CHEM 1400 & CHEM 1450 & CHEM 2580 & CHEM 2585	General Chemistry 1 and General Chemistry 2 and Organic Chemistry 1 and Organic Chemistry 2
CALCULUS. Choose 1 of the following:	3-4
MATH 1212	Fundamentals of Calculus I
MATH 1234	Calculus I

QUANTITATIVE DISCIPLINES. 12-15 additional credits with a MA or QD Catamount Core Curriculum designation	12-15
Up to 1 additional course/3 credits from the following:	0-3
GEOG 2510	Geog Info:Cncpts & Applic
GEOG 2520	Remote Sensing
GEOL 2525	Geocomputing
Note that most professional schools (e.g., medicine, dentistry, veterinary, physical therapy) require the equivalent of PHYS 1450 or PHYS 1650.	
<b>ELECTIVES. At least 26 credits.</b>	
Students should meet with an academic advisor during their second year to map a plan of study for completing their Advanced Electives.	
CATEGORY A (recommended courses in animal biology): 5-30 additional credits from the following:	5-30
BIOL numbered 3100 to 3699	
BIOL numbered 4100 to 4699	
ANTH 3560, ASCI 3040, ASCI 3080, ASCI 3150, ASCI 3160, ASCI 3180, ASCI 3200, ASCI 3490, ASCI 3600, MMG 3230, PSYS 3200, WFB 3240, WFB 4320, WFB 4750, WFB 4830	
Up to 8 additional credits from the following:	0-8
BIOL numbered 2100 to 2699	
BCOR 2100, BCOR 2500, ANTH 2440, ASCI 2040, ASCI 2110, ASCI 2120, ASCI 2180, ASCI 2480, ASCI 2600, ASCI 2700, WFB 2300, WFB 2310, WFB 2410	
CATEGORY B (other eligible courses): Up to 8 additional credits from the following:	0-8
BIOC 3001, BIOC 3005, BIOC 3006, BIOC 3007, MMG 3010, MMG 3050, MMG 3060, MMG 3070, MMG 3200, MMG 3220, MMG 3250, MMG 3300, MMG 3320, MMG 3330, SEP 4280, SEP 4500	
<b>RESEARCH</b>	
Advanced Research. Up to 3 additional credits from the following, in any combination:	0-3
Undergraduate Research: BIOL 3995, WFB 3995	
Honors: BIOL 4996	
Undergraduate Research. Up to 3 additional credits from the following, in any combination:	0-3
Undergraduate Research: BIOL 2995, BIOL 3995, WFB 2995, WFB 3995	
Honors: BIOL 4996	

Additional courses, including Special Topics and graduate-level courses, may be accepted as electives with prior approval from the Biology Department. Graduate courses are often open to upper-level undergraduate students with instructor permission.	
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## RESTRICTIONS

Students completing the B.S. in Zoology may not also receive the B.A. in Biology, the B.A. in Zoology, or the B.S. in Biological Sciences in either the College of Arts & Sciences or the College of Agriculture & Life Sciences.

## PRE/CO-REQUISITES

Introductory and intermediate courses for various subject areas may be necessary to reach some of the courses that can be applied to the major for the quantitative requirement or as Advanced Electives.

## OTHER INFORMATION

In the College of Arts and Sciences (CAS), only one course may overlap between a major and a minor or between two CAS majors.

Courses for the major and/or its pre/co-requisites that are cross-listed in the catalog or schedule of courses under another course prefix may be taken under that other prefix and still count for these requirements.

With the approval of the chair/director, courses that applied to the major in previous years but have since been deactivated may be applied to this year's major requirements if they are reactivated.

For a Bachelor of Science degree, no more than 50 credits in courses with the same departmental prefix may be used toward completion of the 120 credits required for graduation.

At least half of the credits used to complete major requirements must be taken at the University of Vermont.