

PLANT BIOLOGY 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 Plant Biology in the College of Arts and Sciences are required to take at least 84 credits of coursework in the College of Arts and Sciences.

At least 44 credits in major courses, plus 29-31 credits in ancillary courses, including:

Requirement Description		Credits
FOUNDATIONAL COURSES. At least 34 credits.		
PBIO 1070	Putting Down Roots in PlantBio	1
Biology. Choose 1 of the following options:		8
Option A:		
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	
CHEM 1400	General Chemistry 1	4
CHEM 1450	General Chemistry 2	4
CHEM 2580	Organic Chemistry 1	4
CHEM 2585	Organic Chemistry 2	4
Calculus I. Choose 1 of the following:		3-4
MATH 1212	Fundamentals of Calculus I	
MATH 1234	Calculus I	
Calculus II. Choose 1 of the following:		3-4
MATH 1224	Fundamentals of Calculus II	
MATH 1242	Transitional Calculus	
MATH 1248	Calculus II	
Statistics. Choose 1 of the following:		3
STAT 1410	Basic Statistical Methods 1	

NR 2400	Applied Environ Statistics	
Physics. Choose 1 of the following:		4
PHYS 1400	Elementary Physics I	
PHYS 1600	Fundamentals of Physics I	
REQUIRED MAJOR COURSES. 16 credits.		
BCOR 2300	Genetics	3
Choose 1 of the following:		4
BCOR 2100	Ecology and Evolution	
BCOR 2500	Molecular & Cell Biology w/lab	
PBIO 2040	Plant Physiology	4
PBIO 2090	Plant Systematics	4
PBIO 4899	Plant Biology Capstone	1
PLANT BIOLOGY ELECTIVES. 12 credits.		
Intermediate Level or Above. 6 additional credits from the following:		6
PBIO numbered 2000 to 2999		
PBIO numbered 3000 to 3999		
Advanced Level. 6 credits from the following:		6
PBIO numbered 3000 to 3999		
PBIO numbered 5000 to 5999 (graduate level requiring instructor permission)		
ADDITIONAL ELECTIVES. 12 credits.		
12 additional credits at the 2000-level or above in PBIO or other courses relevant to plant biology, selected in consultation with the advisor.		12

RESTRICTIONS

Students completing the B.S. in Plant Biology in the College of Arts & Sciences may not also receive the B.S. in Biological Sciences in the College of Arts and Sciences or the B.S. in Plant Biology or the B.S. in Biological Sciences in the College of Agriculture & Life Sciences.

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.