Botany, B.S.

UVU strives to ensure the accessibility of our catalogs. However, if individuals with disabilities need this document in a different format than provided, you may contact the Assistive Technology Center at ACCESSIBLETECH@uvu.edu or 801-863-6788.

Requirements

Students interested in botany, or related fields, are strongly encouraged to earn at least a baccalaureate degree (BS). To be competitive in the job market additional post-baccalaureate education is suggested. The BS degree in Botany may be used for entry into a career or in preparation for graduate (Masters/ PhD) or professional schools (medical, pharmacy etc.).

Total Program Credits: 120

Matriculation Requirements:			
1. BIOL 1610 College Biology I BB with C- or higher and approval of Biology Department adviser.			
General Education Requirements:			39 Credits
	ENGL 1010	Introduction to Academic Writing CC	3
or	ENGH 1005	Literacies and Composition Across Context CC (5)	
	ENGL 2010	Intermediate Academic Writing CC	3
	MATH 1050	College Algebra QL	4
or	MATH 1055	College Algebra with Preliminaries QL (5)	
Complete one of the following:			3
	HIST 2700	US History to 1877 AS (3)	
and	HIST 2710	US History since 1877 AS (3)	
	HIST 1700	American Civilization AS (3)	
	HIST 1740	US Economic History AS (3)	
	POLS 1000	American Heritage SS (3)	
	POLS 1100	American National Government AS (3)	
Complete the following:			
	PHIL 2050	Ethics and Values IH	3
or	PHIL 205G	Ethics and Values IH GI	
	HLTH 1100	Personal Health and Wellness TE (2)	
or	EXSC 1097	Fitness for Life TE	2
Distribution Courses:			
	BIOL 1610	College Biology I BB	4
	CHEM 1210	Principles of Chemistry I PP	4
	CHEM 1220	Principles of Chemistry II PP	4
	Humanities Distribution		3
	Fine Arts Distribution		3
	Social/Behavioral Science		3
Discipline Core Requirements:			63 Credits
	BIOL 1615	College Biology I Laboratory	1
	BIOL 1620	College Biology II	3
	BIOL 1625	College Biology II Laboratory	1
	BIOL 3400	Cell Biology	3
	BIOL 3500	Genetics	3
	BIOL 4500	Principles of Evolution WE	3
	BIOL 492R	Professional Development	1
	BIOL 494R	Student Seminar WE	2
	BIOL 497R	Biology Colloquium (0.5 cr, two required)	1
	BOT 2100	Flora of Utah BB	3
or	BOT 2050	Field Botany BB (3)	
	BOT 2400	Plant Kingdom BB	4
	BOT 4050	Plant Ecology	3
	BOT 4055	Plant Ecology Laboratory	1
	BOT 4100	Plant Anatomy	4
	BOT 4200	Plant Systematics	3
	BOT 4300	Native Trees and Shrubs of Utah	3
or	BOT 4500	Introduction to Grasses (3)	
	BOT 4600	Plant Physiology WE	3
and	BOT 4605	Plant Physiology Laboratory	1
	CHEM 1215	Principles of Chemistry I Laboratory	1
	CHEM 1225	Principles of Chemistry II Laboratory	1
	CHEM 2310	Organic Chemistry I	4
	CHEM 2315	Organic Chemistry I Laboratory	1
	STAT 2040	Principles of Statistics QL	4
or	MATH 1060	Trigonometry QL (3)	
and	MATH 1210	Calculus I QL (5)	
	MICR 3450	General Microbiology	3
and	MICR 3455	General Microbiology Laboratory	1
	PHYS 2010	College Physics I PP	4
	PHYS 2015	College Physics I Lab	1
Elective Requirements:			18 Credits
	Additional credits to meet credit and upper-division requirements. [1]		18

Notes:

1. ENVT 2630 and ENVT 3630 are suggested electives. BOT 3340 cannot count for credit towards the Botany degree

Graduation Requirements:

1. Complete the required minimum credit hours.
2. Completion of GE and specified departmental requirements.
3. If an AA or AS degree has been earned, a maximum of 64 of these credits may apply toward the BS.
4. At least 30 credit hours in residence at UVU or satellite sites are required, with 10 hours earned during the last 45 hours.
5. A minimum of 40 credits must be upper-division (numbered 3000 or above).
6. A minimum of 40 credits must be in the Biology Department (BIOL, BOT, BTEC, MICR, or ZOOL prefixes), 30 of which must be upper-division. A minimum of nine Biology Department credits must be taken at UVU.
7. Complete discipline core courses with a grade of "C-" or higher in each course.
8. Except for 490R Special Topics courses, a maximum cumulative total of 9 credits in any combination of upper division Departmentalcourses with an "R" designation may count toward graduation.
9. Achieve a minimum overall GPA of 2.0 with a minimum GPA of 2.25 in Biology Department courses.
10. Complete the appropriate application for graduation form.

11. Successful completion of at least one Global/Intercultural course.

Botany, B.S.
Graduation Plan

This graduation plan is a sample plan and is intended to be a guide. Your specific plan may differ based on your Math and English placement and/or transfer credits applied. You are encouraged to meet with an advisor and set up an individualized graduation plan in Wolverine Track.

Semester 1	Course Title	Credit Hours
MATH 1050 or MATH 1055	College Algebra QL or College Algebra with Preliminaries QL	4
Social/Behavioral Science		3
ENGL 1010 or ENGH 1005	Introduction to Academic Writing CC or Literacies and Composition Across Context CC	3
Fine Arts		3
	Semester total:	13
Semester 2	Course Title	Credit Hours
BIOL 1610	College Biology I BB	4
BIOL 1615	College Biology I Laboratory	1
STAT 2040 or Math 1060 and 1210	Principles of Statistics QL or Trigonometry QL and Calculus I QL	4
ENGL 2010	Intermediate Academic Writing CC	3
HLTH 1100 or EXSC 1097	Personal Health and Wellness or Fitness for Life	2
	Semester total:	14
Semester 3	Course Title	Credit Hours
BIOL 1620	College Biology II	3
BIOL 1625	College Biology II Laboratory	1
CHEM 1210	Principles of Chemistry I PP	4
CHEM 1215	Principles of Chemistry I Laboratory	1
BIOL 3500	Genetics	3
American Institutions		3
	Semester total:	15
Semester 4	Course Title	Credit Hours
BOT 2400	Plant Kingdom BB	4
CHEM 1220	Principles of Chemistry II PP	4
CHEM 1225	Principles of Chemistry II Laboratory	1
Humanties		3
Elective		3
	Semester total:	15
Semester 5	Course Title	Credit Hours
PHIL 205G	Ethics and Values IH GI	3
BOT 4050	Plant Ecology	3
BOT 4055	Plant Ecology Laboratory	1
CHEM 2310	Organic Chemistry I	4
CHEM 2315	Organic Chemistry I Laboratory	1
BIOL 497R	Biology Colloquium	0.5
Elective		3
	Semester total:	15.5
Semester 6	Course Title	Credit Hours
BOT 4100	Plant Anatomy	4
PHYS 2010	College Physics I PP	4
PHYS 2015	College Physics I Lab	1
BIOL 3400	Cell Biology	3
BIOL 497R	Biology Colloquium	0.5
Elective		3
	Semester total:	15.5
Semester 7	Course Title	Credit Hours
BOT 4600 and 4605	Plant Physiology WE and Laboratory	4
BOT 4300*	Native Trees and Shrubs of Utah	3
BIOL 494R	Student Seminar WE	2
Elective		5
BOT 492R	Professional Development	1
	Semester total:	15
Semester 8	Course Title	Credit Hours
MICR 3450	General Microbiology	3
MICR 3455	General Microbiology Laboratory	1
BIOL 4500	Principles of Evolution WE	3
BOT 4200**	Plant Systematics	3
Elective		6
	Semester total:	16
	Degree total:	120