

Botany Major. 2007-present. Track A.

A minor is required. (Required support courses in Track A provide a minor in Chemistry. It is the student's responsibility to formally declare the minor in chemistry.)

Overall GPA of 2.00 in all courses is required.

Graduation requires 120 credit hours, with a minimum of 40 upper division credit hours.

Required Core Courses (16 Credit Hours)	semester planned	semester actual	grade	comments
BTNY LS1403, Environment Appreciation (3) or BTNY 3403, Environment Appreciation (3)				
BTNY SI2104, Plant Form and Function (4)*				
BTNY SI2114, Evolutionary Survey of the Plant Kingdom (4)*				
BTNY 2121, Career Planning for Botanists (1)				
BTNY DV2303, Ethnobotany (3)				
BTNY 2600, Laboratory Safety (1)				

*BTNY LS1105 can substitute for BTNY SI2104 + SI2114.

Required Botany Courses (15 credit hours)	semester planned	semester actual	grade	comments
BTNY 3105, Anatomy and Morphology of Vascular Plants (5)				
BTNY 3204, Plant Physiology (4)				
BTNY 3303, Plant Genetics (3)				
BTNY 4980, Portfolio Summative Assessment (3)				
Botany Electives (16 credit hours minimum; 6 lower division credits maximum)	semester planned	semester actual	grade	comments
BTNY 2203, Home and Garden Plants (3)				
BTNY 2413, Introduction to Natural Resource Management (3)				
BTNY 2503, Biology of the Plant Cell (3)				
BTNY 3214, Soils (4)				
BTNY 3454, Plant Ecology (4)				
BTNY 3473, Plant Geography (3)				
BTNY 3504, Mycology (4)				

BTNY 3514, Algology (4)				
BTNY 3523, Marine Biology (3)				
BTNY 3624, Taxonomy of the Vascular Plants (4)				
BTNY 3641A, Intermountain Flora: Woody Plants (1)				
BTNY 3641B, Intermountain Flora: Montane Forbs (1)				
BTNY 3641C, Intermountain Flora: Wetland Plants (1)				
BTNY 3641D, Intermountain Flora: Grasses (1)				
BTNY 4113, Plant Evolution (3)				
BTNY 4252, Cell Culture (2)				
BTNY 4750, Topics in Botany (indicate the number of credit hours and course title)				
BTNY 4840, Thesis Readings (2) or BTNY 4830, Readings in Botany (2)				
BTNY 4850, Thesis Research (2) or BTNY 4800, Individual Research (2)				

BTNY 4890, Cooperative Work Experience (indicate the number of credit hours)				
BTNY 4950, Advanced Field Botany (4)				
BTNY 4970, Botany Thesis (2) or BTNY 4990, Seminar in Botany (1)				

All of the equivalent quarter courses can substitute for the semester courses listed. 1 quarter hour = 2/3 semester hour

Required Support Courses (44-49 credit hours)	semester planned	semester actual	grade	comments
CHEM PS1210, Principles of Chemistry I (5)				
CHEM PS1220, Principles of Chemistry II (5)				
CHEM 2310, Organic Chemistry I (5)				
CHEM 2320, Organic Chemistry II (5)				
CHEM 3030, Quantitative Analysis (4) or CHEM 3070, Biochemistry I (4)				
MATH QL1050 + 1060, College Algebra + Trigonometry (7) or MATH QL1080, Pre-Calculus (5) or MATH QL SI 1210, Calculus I (4) or MATH QL1040, Introduction to Statistics (3)				

PHYS 2010 General Physics I (5) or PHYS 2210, Physics for Scientists and Engineers I (5)				
PHYS 2020, General Physics II (5) or PHYS 2220, Physics for Scientists and Engineers II (5)				
Two of the following courses:	semester planned	semester actual	grade	comments
GEO PS1110, Physical Geology (3) or GEOG PS 1010, Natural Environments of the Earth (3)				
MICR LS2054, Principles of Microbiology (4)				
ZOOL 1110, Principles of Zoology I (4)				
ZOOL 1120, Principles of Zoology II (4)				

All of the equivalent quarter courses can substitute for the semester courses listed. 1 quarter hour = 2/3 semester hour