

Botany Major. 2007-present. Track B.

A minor is required. (It is the student's responsibility to formally declare a the minor.)

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 (20 credit hours) | semester planned | semester actual | grade | comments |
|---|---------------------|--------------------|-------|----------|
| BTNY 2413, Introduction to Natural Resource Management (3) | | | | |
| BTNY 3214, Soils (4) | | | | |
| BTNY 3454, Plant Ecology (4) | | | | |
| BTNY 3624, Taxonomy of the Vascular Plants (4) | | | | |
| BTNY 4950, Advanced Field Botany (2) | | | | |
| BTNY 4980, Portfolio Summative Assessment (3) | | | | |
| Botany Electives (11 credit hours minimum; 6 lower division credits maximum) | semester planned | semester actual | grade | comments |
| BTNY 2203, Home and Garden Plants (3) | | | | |
| BTNY 2503, Biology of the Plant Cell (3) | | | | |
| BTNY 3105, Anatomy and Morphology of Vascular Plants (5) | | | | |
| BTNY 3204, Plant Physiology (4) | | | | |
| BTNY 3303, Plant Genetics (3) | | | | |

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| BTNY 3473, Plant Geography (3) | | | | |
| BTNY 3504, Mycology (4) | | | | |
| BTNY 3514, Algology (4) | | | | |
| BTNY 3523, Marine Biology (3) | | | | |
| 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) | | | | |

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|---|--|--|--|--|
| BTNY 4850, Thesis Research (2) or BTNY 4800, Individual Research (2) | | | | |
| BTNY 4890, Cooperative Work Experience (indicate the number of credit hours) | | | | |
| 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 (20-40 credit hours) | semester planned | semester actual | grade | comments |
|--|---------------------|--------------------|-------|----------|
| CHEM PS1210, Principles of Chemistry I (5) or CHEM PS1110, Elementary Chemistry (5) | | | | |
| CHEM PS1220, Principles of Chemistry II (5) or CHEM PS1120, Elementary Organic/Biochemistry (5) | | | | |
| GEO PS1110, Physical Geology (3) or GEOG PS 1010, Natural Environments of the Earth (3) | | | | |
| MATH QL1050, College Algebra (4) or MATH QL1040, Introduction to Statistics (3) | | | | |
| PHYSPS1010, Introduction to Physics (3) or PHYS PS2010 + 2020, General Physics I and II (10) or PHYS PS2210 + 2220L Physics for Scientists and Engineers I and II (10) | | | | |

| Select the two MICR courses or the three GEO courses or the two GEOG courses or the two ZOOL courses: | semester planned | semester actual | grade | comments |
|--|------------------|-----------------|-------|----------|
| MICR2054, Principles of Microbiology (4) | | | | |
| MICR3484, Environmental Microbiology (4) | | | | |
| GEO 1120, Physical Geography Laboratory (1) | | | | |
| GEO 1130, Introduction to Meteorology (3) | | | | |
| GEO 1220, Historical Geology (4) | | | | |
| GEOG 3450, Cartography (3) | | | | |
| GEOG 3460, Advanced Cartography (3) | | | | |
| 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