

Botany Major: Track A, Option 2 Pre-Natural Medicine

Program Prerequisite: Not required.

Minor: A minor is required. Botany majors in Track A, Option 2 will meet the requirements for a minor in Chemistry.

Grade Requirements: An overall GPA of 2.00 in all courses required for the major. Meeting the minimum GPA does not guarantee admission to a professional program.

Botany Core Courses Required (22-23 credit hours)

BTNY LS1403 Environment Appreciation (3)
or BTNY 3403 Environment Appreciation (3)*
BTNY 2104 Plant Form and Function (4)
BTNY 2114 Evolutionary Survey of Plants (4)
BTNY 2121 Career Planning for Botanists (1)
BTNY DV2303 Ethnobotany (3)
BTNY 2600 Laboratory Safety (1)
BTNY 3303 Plant Genetics (3)
or ZOOL 3300 Genetics (4)
BTNY 4980 Portfolio Summative Assessment (3)

**Students in Pre-Natural Medicine should take BTNY 3403.*

Additional Botany Courses Required (13-15 credit hours)

BTNY 3624 Taxonomy of Vascular Plants (4)
BTNY 3153 Biology of the Plant Cell (3)
or ZOOL 3200 Cell Biology (4)
BTNY 3583 Herbal Medicines (3)

Elective Botany Courses (8 credit hours minimum)

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 3643 Intermountain Flora (3)
BTNY 4113 Plant Evolution (3)
BTNY 4252 Cell Culture (2)
BTNY 4750 Topics in Botany (2)
BTNY 4800 Individual Research (3)
or BTNY 4850 Thesis Research (2)
BTNY 4830 Readings in Botany (2)

or BTNY 4840 Thesis Readings (2)
BTNY 4890 Cooperative Work Experience (5)
BTNY 4950 Advanced Field Botany (2)
BTNY 4970 Botany Thesis (2)
or BTNY 4990 Seminar in Botany (1)

Required Support Courses (48 credit hours)

CHEM PS/SI1210/SI1220 Principles of Chemistry I & II (10)
CHEM 2310 Organic Chemistry I (5)
CHEM 3070 Biochemistry I (4)
COMM HU1020 Principles of Public Speaking (3)
ENGL EN1010 Introductory College Writing (3)
ENGL EN2010 Intermediate College Writing (3)
ECON A11740 Economic History of the United States (3)
MICR LS1153 Elem Public Health (3)
or LS/SI2054 Principles of Microbiology (4)
PSY SS1010 Introductory Psychology (3)
MATH QL1040 Introduction to Statistics (3)
or MATH QL1050 (3)
PHYS PS/SI2010/SI2020 College Physics I & II (10)
or PHYS PS/SI2210/SI2220 Physics for Scientists & Engineers (10)
ZOOL SI1110/SI1120 Principles of Zoology I & II (8)
ZOOL 2100 Human Anatomy (4)
ZOOL 2200 Human Physiology (4)

Suggested upper division courses include:

ZOOL 3720 Evolution (3) (*this will complete a minor in Zoology*)
MICR 3203 The Immune System in Health and Disease (3)
or 3254 Immunology (4)
PHIL 3350. Medical Ethics (3)
HIST 3350 History and Philosophy of Science (3)
BSAD 3000 Small Business Management (3) (for non-business majors)