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

Program Prerequisites: 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 in 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 2303 - Ethnobotany (3)
BTNY 2600 - Laboratory Safety (1)
BTNY 3303 - Plant Genetics (3)
  or ZOOL 3300 - Genetics
BTNY 4980 - Portfolio Summative Assessment (3)

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

Additional Botany Courses Required (10-11 credit hours)
BTNY 3153 - Biology of the Plant Cell (3)
  or ZOOL 3200 - Cell Biology (4)
BTNY 3583 - Herbal Medicines (3)
BTNY 3624 - Taxonomy of Vascular Plants (4)

Elective Botany Courses (8 credit hours minimum)
BTNY 3105 - Anatomy and Morphology of Vascular Plants (5)
BTNY 3204 - Plant Physiology (4)
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 (1-5)
BTNY 4800 - Individual Research (2)
  or BTNY 4850 - Thesis Research (2)
BTNY 4830 - Readings in Botany (2)

or BTNY 4840 - Thesis Readings (2)
BTNY 4890 - Cooperative Work Experience (1-3)
BTNY 4950 - Advanced Field Botany (2)
BTNY 4970 - Botany Thesis (2)
  or BTNY 4990 - Seminar in Botany (1)

Required Support Courses (69-71 credit hours)
CHEM PS1210/1220 - Principles of Chemistry I & II (10)
CHEM 2310 - Organic Chemistry I & CHEM 2315 - Organic Chemistry I Lab (5)
CHEM 3070 - Biochemistry I (3) & CHEM 3075 - Biochemistry I Lab (1)
COMM HU1020 - Principles of Public Speaking (3)
ENGL EN1010 - Introductory College Writing (3)
ENGL EN2010 - Intermediate College Writing (3)
ECON AI1740 - Economic History of the United States (3)
MICR LS1153 - Elem Public Health (3)
  or MICR LS2054 - Principles of Microbiology (4)
MATH QL1040 - Introduction to Statistics (3)
  or MATH QL1050 - College Algebra (4)
PHYS PS2010/2020 - College Physics I & II (10)
  or PHYS PS2210/2220 - Physics for Scientists and Engineers I & II (10)
ZOOL LS1110/1120 - 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 & Disease (3)
  or MICR 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)

To see a suggested full time, four year (8 semester) class schedule, search for GRAD MAPS at the Weber State University home page (weber.edu).