

Certificate of Proficiency in Field Botany

The Certificate of Proficiency in Field Botany provides 24 semester credit hours in botany, the minimal botany course work needed for federal job code 0430, botanist. This certificate can be earned as a stand-alone certificate, as a +1 with the Biology AS, or while working on a Botany BS. An additional 5 credit hours in botany and an appropriate mathematics course are required beyond the requirements for the botany minor.

Program Prerequisite: Not required.

Grade Requirements: Students completing a certificate in Field Botany must have a minimum grade of "C" in all courses used toward the certificate (a grade of "C-" is not acceptable).

Credit Hour Requirements: A minimum of 27-28 credit hours is required for the certificate.

Advisor: Dr. Heather Root, 801-626-6175, heatherroot@weber.edu

Course Requirements for Certificate of Proficiency

Required courses (22-23 credit hours)

^BTNY 2104, Plant Form and Function (4)

^BTNY 2114, Evolutionary Survey of Plants (4)

BTNY 3454, Plant Ecology (4)

BTNY 3624, Taxonomy of Vascular Plants (4)

BTNY 4950, Advanced Field Botany (3)

^MATH QL 1160 (formerly MATH 1040), Introduction to Statistics (3) or MATH QL 1050, College Algebra (4)

Botany electives (minimum 5 credit hours)

Select courses from the list below to reach a minimum of 24 total BTNY credit hours for the certificate

BTNY 2413, Introduction to Natural Resource Management (3)

BTNY 3105, Anatomy of Vascular Plants (4)

BTNY 3204, Plant Physiology (4)

BTNY 3214, Soils (4)

BTNY 3303, Plant Genetics (4)

BTNY 3473, Plant Geography (3)

BTNY 3504, Mycology (4)

BTNY 3643, Intermountain Flora (3)

*BTNY 4750, Topics in Botany (*variable title and credit*)

*BTNY 4920, Short Courses, Workshops, Institutes, and Special Programs (*variable title and credit*)

^ or equivalent as approved by the Botany department chair

* with approval of the Botany department chair or the Field Botany advisor