

CANNABIS BIOLOGY & CHEMISTRY, CERTIFICATE

The Cannabis Biology and Chemistry Certificate Program is a 9-credit hour certificate program, offered at the undergraduate and graduate levels, that is housed in the Chemistry Department. The Program is designed for students with a strong biology or chemistry background or students with an undergraduate degree in biology or chemistry to gain advanced coursework relevant to cannabis sciences.

Specific Admission Requirements

Current non-Cannabis Biology and Chemistry degree program students at CSU Pueblo can complete the certificate program as part of their academic course work. Students interested in the certificate program who are not current CSU Pueblo students may complete the certificate as a Guest Student.

Program Goals

The Cannabis Biology and Chemistry Certificate Program is designed for students with a strong Biology and Chemistry background that wish to apply these skills and knowledge in the area of cannabis science.

Student Learning Outcomes

- Students will understand advanced chemical and biological principles applied in these fields and how those principles can be applied to the emerging field of cannabis science.
- Students will understand cannabis physiology and growth, the pharmacological implications, and the practical applications for the industry.
- Students will use contemporary instruments and techniques for studying plant biological and chemical processes.

Outcome Assessment Activities

Within the Department's existing assessment structures, the performance of Certificate students in the specific courses will be evaluated separately from other students.

Specific Program Requirements

A student must complete a minimum of 9 credit hours of CBC coursework at the undergraduate level for the Certificate. Students may select from the listed courses. A student will receive a Cannabis Biology and Chemistry Certificate after completing 9 credits of the following courses with a grade of C or better.

Course	Title	Credits
CBC 401	Medicinal Plant Biochemistry	3
CBC 413	Cannabis Physiology & Growth	3.0
CBC 413L	Cannabis Physiology & Growth Lab	1.0
CBC 422	Natural Products Extraction & Analysis	3.0
CBC 422L	Natural Products Extraction & Analysis Lab	1.0
CBC 463	Medicinal Chemistry & Pharmacology	3.0
CBC 493	Seminar	1