



Bachelor of Science – Cannabis Biology & Chemistry (Natural Products Concentration)

**Transfer Guide – Colorado Community College System Student
Transferring to: Colorado State University Pueblo
Effective starting 2022**

I. General Education Courses

	Credit Hours	CCCS Course Number and Title or gtPathways Category	CSU Pueblo Courses and Credits
Written Communication	6	ENG 121/1021: English Composition I (GT-CO1) ENG 122/1022: English Composition II (GT-CO2)	ENG 101, 3 credits ENG 102, 3 credits
Mathematics	4-5	MAT 125/1400, Survey of Calculus Or MAT 201/2410, Calculus I	MATH 221, 4 credits OR MATH 126, 5credits
Arts & Humanities	9	COM 115/1050 – Public Speaking Two gtPathways Arts & Humanities courses from two different areas (GT-AH1, GT-AH2, GT-AH3, or GT-AH4)	CID 103, 3 credits 6 credits
Social & Behavioral Sciences	6	Two gtPathways Social & Behavioral Science courses from two different areas (GT-SS1, GT-SS2, or GT-SS3)	6 credits
History	3	One gtPathways History course (GT-HI1)	3 credits
Natural & Physical Sciences	10	CHE 111/1111 – General College Chemistry I/ Lab CHE 112/1112 – General College Chemistry II/ Lab	CHEM 121/L, 5 credits CHEM 122/L, 5 credits
	38-39	TOTAL GEN ED CREDITS	38-39

II. Required Courses

Credit Hours	CCCS Course Number and Title	CSU Pueblo Courses & credits
5	BIO 111/1111 – General College Biology I with Lab	BIOL 181/L, 4 credits
5	BIO 112/1112 – General College Biology II with Lab	BIOL 182/L, 4 credits
10	TOTAL REQUIRED COURSES CREDITS	8

III. Elective and Recommended Courses

Credit Hours	PCCCSCourse Number and Title
11-12	Choose 11-12 credits from AS Approved List*
60	TOTAL ASSOCIATE DEGREE CREDITS

ASSOCIATE OF ARTS OR SCIENCE DEGREE REQUIREMENTS (60 Credits):

Students should note that all required courses must be satisfactorily completed as part of the AA or AS degree at the community college and will also transfer and apply to the bachelor's degree requirements at the receiving 4-year institution. However, if you're going to transfer before completing the AA or AS degree, you may not need some of these courses. In that case, check with the receiving institution and an advisor for your options.

GUARANTEES & LIMITATIONS

- 1. Completion of Associate's Degree:** This transfer guide identifies the courses a student needs to complete (with a C- or higher) to earn an AA or AS degree at a Colorado community/junior college in order to be able to finish the designated baccalaureate degree in no more than 60 credits. Per Colorado Commission on Higher Education (CCHE) Policy I, L, students who complete an AA or AS degree at a Colorado community/junior college and who are admitted to a Colorado public baccalaureate institution are guaranteed the following: the full transfer and application of a minimum of 60 credits toward the baccalaureate degree requirements at the Colorado institution of higher education; completion of the lower division component of the receiving institution's general education core curriculum; and junior standing. Course credit may be applied to major, elective or other requirements at the receiving institution's discretion. If more than 60 college-level credits are taken or the student gets lower than a C- in one or more courses at the community/junior college, then some loss of transfer credit may occur, and students may not be able to complete this baccalaureate degree in 120 credits.
- 2. Transfer Before Completing the Associate's Degree:** If the student intends to transfer prior to completing an AA or AS degree, this transfer guide should still be used to identify the courses that can most effectively prepare them for efficiently completing the designated major at the baccalaureate institution to which they are transferring. While not completing the required associate's degree eliminates the guarantees described here, gtPathways general education courses identified in Section I are guaranteed to transfer and apply to the receiving institution's gtPathways lower division general education requirements. Students are strongly encouraged to finish course sequences (such as English Comp I & II or Calculus I, II & III) before transferring.

For additional information on CCHE transfer policies and gtPathways guaranteed transfer of general education credit, visit <https://cdhe.colorado.gov/guaranteed-transfer-gt-pathways-general-education-curriculum>.

To file a transfer-related complaint with the Colorado Department of Higher Education, visit <https://cdhe.colorado.gov/students/how-do-i-filing-a-student-complain>

The chart shown below illustrates the remaining requirements to complete the BS: Cannabis Biology & Chemistry (Natural Products) after transferring to CSU Pueblo. 60 semester credits are the maximum amount of transfer credit allowed from two-year institutions. Therefore the credits shown below MUST be completed at CSU Pueblo.

IV. Additional Major Required Courses

Additional Major Core Course Requirements		
BIOL 171	First Year Seminar	1
BIOL 201/L	Botany / Lab	4
BIOL 350	Mendelian and Population Genetics	2
BIOL 351	Molecular Biology and Genetics	2
BIOL 422	Neurobiology	3
BIOL 465	Environmental Toxicology	3
PHYS 201 or PHYS 221	Principles of Physics I or General Physics I	3 or 4
PHYS 202 or PHYS 222	Principles of Physics II or General Physics II	3 or 4
CHEM 301/L	Organic Chemistry I/Lab	5
CHEM 302/L	Organic Chemistry II/Lab	5
CHEM 311	Survey of Biochemistry	3
CBC 401	Medicinal Plant Biochemistry	3
CBC 413/L	Cannabis Physiology and Growth / Lab	4
CBC 463	Medicinal Chemistry and Pharmacology	3
CBC 493	Seminar	1
Approved Electives	Advisor Approved Electives* (at least 6 upper division)	9-11
Electives	Open Electives	4
Total Transfer Credit Applied Toward BS Degree		60
Total Additional Credit Required for BS Degree		60
Total BS Degree Requirements		120

*Students are encouraged to take other courses relevant to the subject such as PS223 Criminal Law or SOC 302 Criminal Justice System.