



Bachelor of Science – Chemistry (Secondary Education)



Transfer Guide – Pueblo Community College Student Transferring to: Colorado State University – Pueblo Effective: 2018-2019

I. General Education Courses

*Students who do not place into college level English Composition or Math will have to take pre-requisite Developmental Education courses.

	Credit Hours	Pueblo Community College Course Number and Title or gtPathways Category	CSU – Pueblo Courses and Credits
Written Communication	6	ENG 121: English Composition I (GT-CO1) ENG 122, English Composition II (GT- CO2)	ENG 101, 3 credits ENG 102, 3 credits
Mathematics	5	MAT 201, Calculus I	MATH 126, 5 credits
Arts & Humanities	9	COM 115: Public Speaking Two gtPathways Arts & Humanities courses from two different areas (GT-AH1, GT-AH2, GT-AH3, or GT-AH4)	COMR 103, 3 credits 6 credits
Social & Behavioral Sciences	6	PSYCH 235, Human Growth and Development OR PSYCH 237, Child and Adolescent Psychology OR PSYCH 238, Child Development AND One gtPathways Social & Behavioral Science course from one different area (GT-SS1 , or GT-SS2)	PSYCH 151, 3 credits OR PSYCH 251 3 credits
History	3	One gtPathways History course (GT-HI1)	3 credits
Natural & Physical Sciences	10	CHE 111 – General College Chemistry I with Lab AND CHE 112 – General College Chemistry II with Lab	CHEM 121/L, 5 credits AND CHEM 122/L, 5 credits
	39	TOTAL GEN ED CREDITS	39

II. Required Courses

Credit Hours	Pueblo Community College Course Number and Title	CSU – Pueblo Courses (credits)
3	EDU 221 – Intro to Education	ED 202, 3 credits
5	MAT 202 – Calculus II	MATH 224, 5 credits
5	PHY 111 – General College Physics I with Lab OR PHY 211 - Calculus-Based Physics I with Lab	PHYS 201/L, 4 credits OR PHYS 221/L, 5 credits
5	PHY 112 – General Physics II with Lab OR PHY 212 – Calculus Based Physics II with Lab	PHYS 202/L, 4 credits OR PHYS 222/L, 5 credits

18	TOTAL REQUIRED COURSES CREDITS	16-18
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III. Elective and Recommended Courses

“Recommended Courses” means courses that students are strongly encouraged, but not required, to take for preparation in this major and are listed below in priority order.

Credit Hours	Pueblo Community College Course Number and Title
3	Choose 3 credits from the AS Approved List

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

Students should note that all required courses must be satisfactorily completed as part of the 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 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 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 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 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 <http://highered.colorado.gov/Academics/Transfers/Students.html>. To file a transfer-related complaint with the Colorado Department of Higher Education, visit <http://highered.colorado.gov/Academics/Complaints/default.html>

The chart shown below illustrates the remaining requirements to complete the BS: Chemistry (Secondary Education) 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		
CHEM 211/L OR CHEM301/L	Intro to Organic Chemistry/Lab OR Organic Chemistry I/Lab	4-5
CHEM 311	Survey of Biochemistry	3
CHEM 317/L	Quantitative Analysis/Lab	5
CHEM 321	Physical Chemistry I	3
CHEM 419/L OR CHEM221/L	Instrumental Analysis/Lab OR Inorganic Chemistry/Lab	4-5
CHEM 493	Seminar	1
BIOL 100/L	Principles of Biology/Lab	4
BIOL 121/L	Environmental Conservation/Lab	4
GEOL 101/L	Earth Science/Lab	4
Teacher Education Requirements		
ED 280	Educational Media and Technology	3
ED 301	Frameworks of Teaching	4
ED 412	Teaching Diverse Learners	3
ED 444	Teaching Secondary Science	4
ED 485	Capstone Seminar in Education	1
ED 488	Student Teaching Secondary	12
RDG 435	Content Area Literacy	3
Total Transfer Credit Applied Toward BS Degree		60
Total Additional Credit Required for BS Degree		62-64
Total BS Degree Requirements		122-124

SPECIAL NOTE: Degree credit accumulation may exceed 120.