



**Transfer & Advising Guide for Community College Students Transferring to:
Colorado State University-Pueblo Bachelor of Science in**

Chemistry (Biochemistry Emphasis)

**Contact for Chemistry Department: 719-549-2574
<http://csm.csupueblo.edu/Chemistry/Pages/Default.aspx>**

This agreement identifies community college courses that will apply to the baccalaureate degree.

If you plan to complete this bachelor’s degree, recognize that:

1. You should transfer into the bachelor’s program after you take the courses outlined below. Transfer hours beyond the credits below are not guaranteed to apply toward the bachelor’s degree.
2. It is imperative that you contact an advisor at the 4-year institution by the end of the first semester to clarify course work appropriate for this major and to identify the community college courses and GPA necessary to meet admission requirements to both the 4-year institution and the degree program.
3. This Transfer Guide does not supplant any other transfer agreement your Colorado community college may have with this 4-year institution.

Transfer Recommendations: To graduate in a 4 year overall time frame, it is important that students follow the recommended schedule below. Students who wish to continue their education at the community college beyond the number of credits specified below should explore with both 2-yr and 4-yr advisors how their graduation timeline, COF stipend, and financial aid will be affected.

Guarantees and Limitations: Students:

- are responsible for meeting all admission requirements at the 4-year institution;
- are not guaranteed admission to the bachelor’s degree program at the 4-year institution;
- are guaranteed, once admitted, application of the transfer hours below to either lower division general education, course work required for the major, or elective credit;
- must consult with the 4-year institution’s bachelor’s degree program to utilize AP, IB, or CLEP credits;
- must consult with the 4-year institution’s bachelor’s degree program for transferability of course work credits beyond those prescribed below as additional courses are major specific and the 4-year institution may restrict the number of community college transfer credits.

Please note that this curriculum neither fulfills the gtPathways general education curriculum nor the associate degree requirements at the community college.

Required General Education Courses Applicable to the Major (39 credits)				CSU-Pueblo Course & Credits
	Credit Hours	Community College (CCCS) Course No.	Course Title and gtPathways Category	
Written Communication	6	ENG 121 ENG 122	English Composition I (<u>GT-CO1</u>) English Composition II (<u>GT-CO2</u>)	ENG 101, 3 credits ENG 102, 3 credits
Oral Communication	3	COM 115	Public Speaking	COMR 103, 3 credits
Art & Humanities	6		Any gtPathways Arts & Humanities course from one of the following AH Categories: <u>GT-AH1</u> , <u>GT-AH2</u> , <u>GT-AH3</u> or <u>GT-AH4</u>	6 credits
Social & Behavioral Science	6		Any gtPathways Social & Behavioral Science course from <u>GT-SS1</u> or <u>GT-SS2</u> , or <u>GT-SS3</u>	6 credits
History	3		Any gtPathways Historical Perspectives courses from the <u>GT-HI1</u> category	3 credits
Mathematics	5	MAT 201	Calculus I	MATH 126, 5 credits



Natural & Physical Sciences	10	CHE 111 CHE 112	General College Chemistry I With Lab General College Chemistry II With Lab	CHEM 121/L, 5 credits CHEM 122/L, 5 credits
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Additional Required Courses		(20 credits)		
Physics	5	PHY 211	Physics: Calculus-Based I With Lab	PHYS 221/L, 5 credits
Physics	5	PHY 212	Physics Calculus-Based II With Lab	PHYS 222/L, 5 credits
Biology	5	BIO 111	General College Biology I With Lab	BIOL 182/L, 4 credits
Mathematics	5	MAT 202	Calculus II	MATH 224, 5 credits

Special Program Notes:

A total of 59 credits will transfer to CSU-Pueblo. An additional 61 credits will be required to completed the B.S. Degree

Admission Requirements to the Institution and the College/School/Department

Students transferring from community college should refer to the published admissions standards at: www.csupueblo.edu

For additional information you may contact the Office of the Registrar at: 719-549-2261

Transfer Disputes

If disagreement regarding the transferability of credits for coursework or a degree occurs between a student and a receiving two-year or four-year institution, the Department will facilitate an expeditious review and resolution of the matter pursuant to Commission Policy, Section I, Part T: Student Complaint Policy. For more information, contact the Department at 303-866-2723 or file a complaint at <http://higher.ed.colorado.gov/Academics/Complaints/default.html>

The chart shown below illustrates the remaining requirements to complete the BS in Chemistry (Biochemistry Emphasis) 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.

Additional Required Chemistry Courses		
CHEM 221/L	Inorganic Chemistry and Lab	4 credits
CHEM 301/L	Organic Chemistry I and Lab	5 credits
CHEM 302/L	Organic Chemistry II and Lab	5 credits
CHEM 317/L	Quantitative Analysis and Lab	5 credits
CHEM 321	Physical Chemistry I	3 credits
CHEM 322	Physical Chemistry II	3 credits
CHEM 419/L	Instrumental Analysis and Lab	5 credits
CHEM 493	Seminar	1 credit
Biochemistry Emphasis Requirements		
CHEM 411	Biochemistry I	3 credits
CHEM 412/L	Biochemistry II and Lab	5 credits
Electives	Advisor Approved Chemistry Electives	3 credits
Additional Degree Requirements		
BIOL 181/L	College Biology I Organismal Biology and Lab	4 credits
BIOL 301/L	General Microbiology and Lab	5 credits
BIOL 350	Mendelian and Populations Genetics	2 credits
BIOL 351/L	Molecular Biology and Genetics and Lab	4 credits
BIOL 412/L	Cellular Biology and Lab	4 credits
Total Transfer Credit Applied Toward B.S. Degree		59
Total Additional Credit Required for B.S. Degree		61
Total B.S. Degree Requirements		120