Bachelor of Science – Biology
(7-12 Teacher Preparation Concentration)
Transfer Guide – Pueblo Community College Students
Transferring to: Colorado State University Pueblo
Effective starting 2026

I. General Education Courses

	Credit Hours	Pueblo Community College Course Number and Title or gtPathways Category	CSU Pueblo Courses and Credits
Written Communication	6	ENG 1021: English Composition I (GT-CO1) ENG 1022: English Composition II (GT- CO2)	ENG 101, 3 credits ENG 102, 3 credits
Mathematics	4-5	MAT 1400: Survey of Calculus OR MAT 2410: Calculus I	MATH 221, 4 credits OR MATH 126, 5 credits
Arts & Humanities	6	Two gtPathways Arts & Humanities courses from two different areas (GT-AH1, GT-AH2, GT-AH3, or GT-AH4)	6 credits
Social & Behavioral Sciences	6	PSY 2440: Human Growth & Development OR PSY 2442: Child and Adolescent Psychology OR PSY 2441: Child Development AND One gtPathways Social & Behavioral Science course from a different area (GT-SS1, GT-SS2, or GT-SS3)	PSYC 151, 3 credits OR PSYC 251, 3 credits OR PSYC 251, 3 credits AND 3 credits
History	3	One gtPathways History course (GT-HI1)	3 credits
Natural & Physical Sciences	10	BIO 111/1111: General College Biology I with Lab BIO 112/1112: General College Biology II with Lab	BIOL 182/L, 4 credits BIOL 181/L, 4 credits Electives, 2 credits
	35-36	**TOTAL GEN ED CREDITS**	**35-36**

II. Required Courses & Elective

Credit Hours	Pueblo Community College Course Number and Title	CSU Pueblo Courses (credits)
5	CHE 1111 – General College Chemistry I with Lab	CHEM 121/L, 5 credits
5	CHE 1112– General College Chemistry II with Lab	CHEM 122/L, 5 credits
3	EDU 2211 – Introduction to Education	ED 202, 3 credits
3	EDU 2611 – Teaching, Learning & Technology	ED 280, 3 credits
4	BIO 2101, Human Anatomy & Physiology I with Lab	BIOL 223/L, 4 credits
4	GEY 1111 – Physical Geology with Lab	GEOG 101/L, 4 credits

0-1	Choose one elective credit if required	0-1 credit
24-25	**TOTAL REQUIRED COURSES CREDITS**	**24-25**

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-complaint

The chart shown below illustrates the remaining requirements to complete the BS: Biology (Secondary Education) after transferring to CSU Pueblo. 64 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 Major Core Course Requirements		
BIOL 201/L OR BIOL 202/L	Botany w/Lab OR Zoology w/Lab	4
BIOL 206/L OR BIOL 301/L	Intro to Microbiology w/Lab OR General Microbiology w/Lab	4
BIOL 312/L	Cell Biology w/Lab	4
BIOL 350	Mendelian and Population Genetics	2
BIOL 351	Molecular Biology and Genetics	3
BIOL 352	Evolutionary Biology	3
BIOL 378	Laboratory in Teaching Biology	1
Upper Division Biology Field Course	Advisor Approved Upper Division Biology Field Elective/Lab	3-4
BIOL 493	Seminar	1
CHEM 211/L OR CHEM 301/L	Introduction to Organic Chemistry w/Lab OR Organic Chemistry I w/Lab	4-5
CID 103	Speaking & Listening	3
PHYS 201/L	Principles of Physics I/Lab	4
PHYS 202/L	Principles of Physics II/Lab	4
Education Minor Course Requirements		
ED 305	Frameworks of Teaching	4
ED 412	Teaching Diverse Learners	3
ED 444	Teaching Secondary Science	4
RDG 435	Disciplinary Literacy	3
ED 460	Classroom Management	3
ED 485	Capstone Seminar in Education	1
ED 488	Student Teaching Secondary	11
Total Transfer Credit Applied Toward BS Degree		**60**
Total Additional Credit Required for BS Degree		**68-70**
Total BS Degree Requirements		**128-130**

SPECIAL NOTE: Degree credit accumulation for science secondary ed certification may exceed 120.