



# Bachelor of Arts or Bachelor of Science: Mathematics

## Transfer Guide for Pueblo Community College Students 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 Course (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
Oral Communication	3	COM 115: Public Speaking	COMR 103, 3 credits
Mathematics	5	MAT 201, Calculus I	5 credits
Arts & Humanities	6	Two gtPathways Arts & Humanities courses from two different areas ( <a href="#">GT-AH1</a> , <a href="#">GT-AH2</a> , <a href="#">GT-AH3</a> , or <a href="#">GT-AH4</a> )	6 credits
Social & Behavioral Sciences	6	Two gtPathways Social & Behavioral Science courses from two different areas ( <a href="#">GT-SS1</a> , <a href="#">GT-SS2</a> , or <a href="#">GT-SS3</a> )	6 credits
History	3	One gtPathways History course ( <a href="#">GT-HI1</a> )	3 credits
Natural & Physical Sciences	10	PHY 211/L: General Physics I With Lab PHY 212/L: General Physics II With Lab	PHYS 221/L, 5 credits PHYS 222/L, 5 credits
	<b>39</b>	<b>TOTAL GEN ED CREDITS</b>	<b>39</b>

### II. Required Courses

Credit Hours	Pueblo Community College Course Number and Title	CSU Pueblo Course (credits)
5	MAT 202: Calculus II	MATH 224, 5 credits
4	MAT 203: Calculus III or MAT 204 Calculus III w/Engineering Applications	MATH 325, 3 credits plus 1 elective credit
4	CSC 160: Computer Science 1	CIS 171, 4 credits
8	Open Electives	8 elective credits
<b>21</b>	<b>TOTAL REQUIRED COURSES CREDITS</b>	<b>21 credits</b>

<b>60</b>	<b>TOTAL ASSOCIATE DEGREE CREDITS</b>
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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 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 <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 BA/BS: Mathematics 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 Major Core Course Requirements		
Course ID	Course Title	Credits
MATH 350	Probability	3
MATH 242	Introduction to Computation	4
MATH 307	Introduction to Linear Algebra	4
MATH 337	Differential Equations	3
MATH 356	Statistics for Engineers and Scientists	3
MATH 421	Introduction to Analysis	4
MATH 427	Abstract Algebra	4
	Upper Division MATH Electives	6
	Open Electives or Minor (at least 9 credits must be upper division)	23-29
Additional Degree Requirements (World Language) Note: If the program is a BA		
WL 100 AND ANTHR/ENG 106	Introduction to Comparative Linguistics AND Language, Thought, and Culture	6
OR	OR	
Two Semester World Language or ASL Sequence	World Language or ASL 211, 212	
<b>Total Transfer Credit Applied Toward BA/BS Degree</b>		<b>60</b>
<b>Total Additional Credit Required for BA/BS Degree</b>		<b>60</b>
<b>Total BA/BS Degree Requirements</b>		<b>120</b>