



## Bachelor of Arts/Bachelor of Science: Mathematics (Secondary Education)



**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.

	<b>Credit Hours</b>	<b>Pueblo Community College Course Number and Title or gtPathways Category</b>	<b>CSU Pueblo Course (credits)</b>
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)	5 credits
Natural & Physical Sciences	10	PHY 211 Physics: Calculus-Based I With Lab PHY 212 Physics: Calculus-Based II With Lab	10 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	(BA Degree only) PSY 235, Human Growth and Development OR PSYCH 237, Child and Adolescent Psychology OR PSY 238, Child and Adolescent Psychology AND One gtPathways Social & Behavioral Science course ( <a href="#">GT-SS1</a> or <a href="#">GT-SS2</a> ) OR (BS Degree Only): 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> )	PSYCH 151, 3 credits OR PSYCH 251, 3 credits OR AND 3 credits  OR 6 credits
History	3	One gtPathways History course ( <a href="#">GT-HI1</a> – See Below)	3 credits
	<b>39</b>		<b>39</b>

### II. Required Courses

<b>Credit Hours</b>	<b>Pueblo Community College Course Number and Title</b>	<b>CSU Pueblo Course (credits)</b>
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
3	EDU 221, Introduction to Education	ED 202, 3 credits

4	CSC 160, Computer Science	CIS 171, 4 credits
<b>16</b>	<b>TOTAL REQUIRED COURSES CREDITS</b>	<b>15 credits</b>

### 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
5	Choose 5 credits from AS Approved List

<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

- 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.
- 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: in Mathematics (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.

Additional Major Core Course Requirements		
Course ID	Course Title	Credits
MATH 307	Intro to Linear Algebra	4 credits
MATH 319	Number Theory	3 credits

MATH 330	Intro to Higher Geometry	3 credits
MATH 350	Probability	3 credits
MATH 356	Statistics for Engineers & Scientists	3 credits
MATH 421	Intro to Analysis	4 credits
MATH 427	Abstract Algebra	4 credits
MATH 463	History of Mathematics	3 credits
MATH 477	Secondary School Mathematics	4 credits
ED 280	Educational Media and Technology	3 credits
ED 301	Frameworks of Teaching	4 credits
ED 412	Teaching Diverse Learners	3 credits
ED 485	Capstone Seminar in Education	1 credit
ED 488	Student Teaching Secondary	12 credits
RDG 435	Content Area Literacy	4 credits
Electives	Advisor Approved Open Electives(For BS Degree Only)	5 credits
<b>Additional Degree Requirements (World Language) Note: If the program is a BA</b>		
WL 100 AND ANTHR/ENG 106 OR	Introduction to Comparative Linguistics AND Language, Thought, and Culture OR Second Level Foreign Language or ASL	6 credits
<b>Total Transfer Credit Applied Toward BA/BS Degree</b>		<b>60</b>
<b>Total Additional Credit Required for BA/BS Degree</b>		<b>63-64</b>
<b>Total BA/BS Degree Requirements</b>		<b>123-124</b>