



# Bachelor of Science: Computer Information Systems (Data Analytics)



**Transfer Guide - 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 <b>Communication</b>	6	ENG 121: English Composition I ENG 122: English Composition II	ENG 101, 3 credits ENG 102, 3 credits
Mathematics	4	MAT 121: College Algebra	MATH 121, 4 credits
Arts & Humanities	6	COM 115: Public Speaking Two gtPathways Arts & Humanities courses from two different areas ( <u>GT-AH1</u> , <u>GT-AH2</u> , <u>GT-AH3</u> , or <u>GT-AH4</u> ) TAKE 2 <sup>nd</sup> Arts & Humanities course AT CSU-PUEBLO	COMR 103, 3 credits 3 credits
Social & Behavioral Sciences	6	ECO 201: Principles of Micro Economics ECO 202: Principles of Macro Economics	ECON 201, 3 credits ECON 202, 3 credits
History	0	One gtPathways History course ( <u>GT-HI1</u> ) TAKE AT CSU-PUEBLO	0 credits
Natural & Physical Sciences	8	Two gtPathways Science courses ( <u>GT-SC1</u> )	8 credits
	<b>30</b>	<b>TOTAL GEN ED CREDITS</b> All of these credits will transfer and apply to the bachelor's degree but won't necessarily apply to general education credits at CSU-Pueblo.	<b>30 Credits</b>

## II. Required Courses

<b>Credit Hours</b>	<b>Pueblo Community College Course Number and Title</b>	<b>CSU-Pueblo Course (credits)</b>
3	CIS 115: Introduction to Computer Information Systems	CIS 150, 3 credits
3	CIS 118: Introduction to PC Applications	CIS 100/103/103, 3 crd
4	CNG 120: A+ Certification Preparation	CIS 185, 3 credits plus 1 elective credit
3	CNG 124: Networking I: Network +	CIS 289, 3 credits
3	CSC 120: Problem Solving with Java	Elective, 3 credits
4	CSC 160: Computer Science I (JAVA)	CIS 171, 4 credits
4	CSC 161: Computer Science II (JAVA)	CIS 271, 4 credits
3	CSC 267: Object Oriented Design	CIS 240, 3 credits
3	BUS 217: Business Communications and Report Writing	BUSAD 270, 3 credits

30	<b>TOTAL REQUIRED COURSES CREDITS</b>	30 Credits
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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	Community College Course Number and Title

60	<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://higherred.colorado.gov/Academics/Transfers/Students.html>. To file a transfer-related complaint with the Colorado Department of Higher Education, visit <http://higherred.colorado.gov/Academics/Complaints/default.html>

The chart shown below illustrates the remaining requirements to complete the BS: Computer Information Systems (Data Analytics) 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.

<b>Additional Major Core Course Requirements</b>		
Course ID	Course Title	Credits
Gen Ed	Arts and Humanities	3
Gen Ed	History	3
CIS 105	MS Access DBMS	1

MATH 220	Quantitative Analysis for Business	4
MGMT 201	Principles of Management	3
BUSAD 265	Inferential Statistics	3
BUSAD 360	Advanced Business Statistics	3
MGMT 368	Project Management	3
CIS 311	Intro Web Development	3
CIS 315	Unix Operating System	3
CIS 350	Database Management	3
CIS 432	Senior Professional Project	6
CIS 493	Senior Seminar	3
CIS 365	Management Information Systems	3
CIS 450	Advanced Data Analytics	3
CIS 3/400	Elective	7
Open electives	Electives (3 credits must be upper division)	6
<b>Total Transfer Credit Applied Toward BS Degree</b>		<b>60</b>
<b>Total Additional Credit Required for BS Degree</b>		<b>60</b>
<b>Total BS Degree Requirements</b>		<b>120</b>