



Bachelor of Science in Engineering
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.

	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	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	Two gtPathways Social & Behavioral Science courses from two different areas (GT-SS1 , GT-SS2 , or GT-SS3)	6 credits
History	3	One gtPathways History course (GT-HI1)	3 credits
Natural & Physical Sciences	10	PHY 211, Physics Calculus-Based I with Lab PHY 212, Physics Calculus-Based II with Lab	PHYS 221/L, 5 credits PHYS 222/L, 5 credits
	39		39 credits

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
3	MAT 122: Trigonometry <ul style="list-style-type: none"> • Must take MATH 207 Linear Algebra at CSU-Pueblo 	
3	EKG 102 Introduction to Engineering Methodologies	EN 101, 2 credits
4	Math/Science or Technical Elective (reference CSU-Pueblo engineering handbook for examples)	4 credits
15	TOTAL REQUIRED COURSE CREDITS	14 credits

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
6	Choose 6 credits from AS approved course list

60	TOTAL ASSOCIATE DEGREE CREDITS
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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 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 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 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 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 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 BS in Engineering 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 Prefix (CSUP)	Course Name	Credits
EN 103	Problem Solving for Engineers	3
EN 107	Engineering Graphics	2
EN 211	Engineering Mechanics I	3
EN 212	Engineering Mechanics II	3
EN 215	Introduction to Industrial and Systems Engineering	3
EN 231/L	Circuit Analysis I/Lab	5
EN 321	Thermodynamics	3
EN 324/L	Materials Science and Engineering lab	4
EN 343	Engineering Economy	3
EN 375	Stochastics Systems Engineering	3
EN 420	Simulation Experiments	3
EN 430	Project Planning and Control	3
EN 439	Time and Motion Studies	2
EN 440	Safety Engineering	3
EN 441/L	Engineering of Manufacturing Processes/Lab	4
EN 443	Quality Control and Reliability	3
EN 471	Operations Research	3
EN 473/L	Computer Integrated Manufacturing/Lab	3
EN 475	Facility Planning and Design	3
EN 477	Operations Planning and Control	3
EN 486	Senior Seminar	2
EN 488	Industrial Engineering Design	3
MATH 207	Linear Algebra	3
MATH 337	Differential Equations I	3
Math/Science or Technical Elective	Advisor Approved Technical Elective	3
Total Transfer Credit Applied Toward BS Degree		60
Total Additional Credit Required for BS Degree		76
Total BS Degree Requirements		136

SPECIAL NOTE: Degree credit accumulation may exceed 120.