

Guaranteed Admission Agreement and Transfer Pathway Program for Students from Colorado Mountain College with the College of Engineering and Applied Science at the University of Colorado Boulder

The College of Engineering and Applied Science (CEAS) at the University of Colorado Boulder (CU-Boulder) seeks to enroll students who have the academic preparation necessary to successfully complete one of its baccalaureate degree programs.

CEAS also seeks to broaden and strengthen partnerships with Colorado Community Colleges to increase access to a CU Boulder engineering degree.

This partnership will allow students currently enrolled at Colorado Mountain College (CMC), as well as students in high school, but formally taking concurrent coursework through CMC access to a guaranteed admission pathway, provided they meet the criteria listed in this agreement. CMC is located in several mountain locations, serving a diverse population of students who do not have direct access to an in-state engineering program through this type of pathway.

When applications are reviewed for students in this partnership, for guaranteed admission, students must maintain consistent or improving grades throughout either high school, or post-high school enrollment at CMC. Students must select increasingly challenging college courses and must also attain grades of B or better in core math, science, engineering/technology coursework.

This agreement will consist of a single pathway that can be used for students in one of three categories: 1) Students who enroll at CMC while in high school with no post-HS credit hours. 2) Students who take concurrent enrollment coursework through CMC and also have less than 24 credit hours post-HS graduation. 3) Students who have 24 or more credit hours post-HS graduation. All students will be required to submit a high school transcript to the CU Boulder Office of Admissions, though we will use the criteria below in this agreement for guaranteed admission purposes.

Guaranteed Admission Requirements:

- Two courses of college-level Calculus
 - Any AP credit for calculus coursework must meet [CU Boulder requirements](#) and students would need two calculus courses in addition to any AP coursework accepted.
 - Any student with a score below CU Boulder criteria will not be granted credit towards their degree and the course would need to be retaken at either CMC, or CU Boulder.
- Either PHYS 2111 – Calc-based Physics 1 or CHE 1111 - Chemistry 1 with lab
- Choose one additional course below:
 - CSC 1060 – Computer Science 1 (preferred)
 - MAT 2430 – Calculus 3

- cannot use this course if used for calculus coursework above
- MAT 2562 – Differential Equations/Linear Algebra
 - Can substitute MAT 2560+2540
- PHY 1111 – Calc-based Physics 1
 - **OR** PHY 2112 – Calc-based Physics 2 (if PHY 1111 was used above)
- CHE 1111 – General Chemistry 1
 - **OR** CHE 1112 General Chemistry 2 (If CHE 1111 was used above)
- 3.00 GPA (CMC cumulative) and B's or better in math and science courses
- Students would maintain consistent or improving grades throughout high school and select increasingly challenging college-preparatory courses during their junior and senior years, following recommended courses in the CU Boulder Engineering transfer pathways currently established. Students should not have any D's or F's on their high school or college transcript, as this could impact admissibility.

Table 1. Guaranteed Admission Requirements

<i>University of Colorado Boulder Courses</i>			<i>Colorado Mountain College Equivalent Courses</i>		
Course ID	Name	Cr	Course ID	Name	Cr
MATH 1300	Calculus 1	5	MAT 2410	Calculus I	5
MATH 2300	Calculus 2	5	MAT 2420	Calculus II	5
PHYS 1110 or CHEM 1113 + CHEM 1114	General Physics 1 or General Chemistry 1	4-5	PHY 2111 or CHE 1111	Calc-Based Physics I or College Chemistry I	5
CSCI 1300 or MATH 2400 or PHYS 1120 or CHEM 1113 + CHEM 1114	Computer Science 1 or Calculus III or General Physics 2 or General Chemistry 1	4-5	CSC 1060* or MAT 2430 or PHY 2111 or PHY 2112 or CHE 1111 or CHE 1112	Computer Science I* or Calculus III or Calc-Based Physics I or Calc-Based Physics II or College Chemistry I or College Chemistry II	4-5

*It is recommended that students complete CSC 1060 (C++)

Table 2. Additional Courses

University of Colorado Boulder Courses			Colorado Mountain College Equivalent Courses		
Course ID	Name	Cr	Course ID	Name	Cr
MATH 2400	Calculus III	3	MAT 2430 or MAT 2431	Calculus III	4
APPM 2360	Differential Equations and Linear Algebra	4	MAT 2562 or MAT 2560 and MAT 2540	Differential Equations w/ Linear Algebra or Differential Equations and Linear Algebra	4-6
PHYS 1110	General Physics 1	4	PHY 2111	Calc-Based Physics I	5
PHYS 1120	General Physics 2	4	PHY 2112	Calc-Based Physics II	5
PHY 2130	Intro to Quantum Mechanics	3-5	PHY 2113*	Calc-Based Physics III*	3
CHEM 1113 + CHEM 1114	General Chemistry 1	5	CHE 1111	College Chemistry I	5
CHEM 1133+1134	General Chemistry 2	5	CHE 1112	College Chemistry II	5
CSCI 1300	Computer Science 1	4	CSC 1060^	Computer Science I	4
GEEN 1400	Engineering Projects	3	EGG 1040**	First Year Engineering Projects**	3
MCEN 1025	Computer-Aided Design and Fabrication	4	CAD 2455***	SolidWorks***	3
Humanities and Social Science Core (each major is different, but at a minimum, nine (9) credit hours of lower-division H/SS can be transferred – please check with your desired program for additional H/SS options)			Any GT-Pathways course under the following designations (AH1, AH2, AH3, AH4, HI1, SS1, SS2, SS3) will also apply. https://www.colorado.edu/engineering/colorado-community-college-approved-hss-courses ENG 1021 and 1022 will also count as H/SS electives in all degree programs		

*PHY 2113 is not a required course in all degree programs. Please check with CU Boulder Engineering before taking this course to ensure degree applicability.

**Engineering projects is not a required course in Chemical Engineering or Biological Engineering
*** CAD 2455 is applicable to only Mechanical Engineering, Biomedical Engineering, Civil Engineering, and Applied Mathematics

^Preferred programming language for CSC 1060 should be C++

Additional Considerations

This agreement, dated 24 January 2024, applies to students who apply for admission to CU-Boulder starting in Spring 2025 and beyond.

Students who have less than 24 credit hours post-high school graduation (at the time of application) are strongly encouraged to meet the following Higher Education Admission Recommendations (HEAR).

Students may be admitted to CU Boulder even though they have not completed all of the HEAR courses. There are no consequences if HEAR is not met. However, not completing HEAR might result in taking additional courses to meet the graduation requirements of individual majors.

- 4 units of English
- 4 units of Mathematics
- 3 units of Natural/ Physical sciences
- 3 units of Social sciences
- 2 units of World language
- 2 units of Academic electives

CU Boulder Engineering will work with CMC leadership to help develop pre-engineering pathways, as they relate to our existing transfer student engineering pathways with the Colorado Community College System.

Any student that does not meet the above criteria will not be guaranteed admission to the College of Engineering and Applied Science at CU-Boulder; however, such students will be considered for admission on an individual basis through our general admission criteria. In some cases, CU-Boulder may offer admission to the Program in Exploratory Studies as an alternate college option.

NOTE: This Agreement shall continue until terminated by either Party (i) without cause by giving at least one hundred twenty (120) days prior written notice to the other Party; or (ii) with cause based upon a breach of this Agreement (other than a breach of Section 10 based upon the termination of a Party's accreditation) by giving written notice of termination to the breaching Party specifying the reason(s) therefore, and giving the breaching Party an opportunity to cure the breach within thirty (30) days of the date of such notice. Unless otherwise agreed to by the Parties in writing, this Agreement shall be deemed terminated at the expiration of such thirty (30)-day period if the breach is not cured within that time.

Approved:

DocuSigned by:
Russell Moore
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3/18/2024

Russell Moore
Provost
University of Colorado Boulder

Date

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3/18/2024

Amy Hutton
Associate Vice Chancellor of Enrollment Management
University of Colorado Boulder

Date

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Keith Molenaar
Dean, College of Engineering and Applied Science
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3/18/2024

Kathryn Regjo, MBA, Ed.D.
Vice President of Academic Affairs
Colorado Mountain College

Date