

**Transfer Guide for Community College Students earning an AS and Transferring to:
University of Colorado Boulder
BA Astronomy – General Astronomy Track**

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	Community College Course Number and Title or gtPathways Category
Written Communication	6	ENG 121: English Composition I (GT-CO1) and ENG 122: English Composition II (GT-CO2) OR ENG 122: English Composition II (GT-CO2) and a GT-CO3 course
Oral Communication	3	COM 115: Public Speaking OR COM 125: Interpersonal Communication OR COM 220: Intercultural Communication (GT-SS3).
Mathematics	5	MAT 201: Calculus I (GT-MA1)
Arts & Humanities	6	Two gtPathways Arts & Humanities courses from two different areas (GT-AH1 , GT-AH2 , GT-AH3 , or GT-AH4)
Social & Behavioral Sciences	6	Two gtPathways Social & Behavioral Science courses from two different areas (GT-SS1 , GT-SS2 , or GT-SS3)
History	3	One gtPathways History course (GT-HI1)
Natural & Physical Sciences	13	AST 101: Astronomy I, with Lab (GT-SC1) AST 102: Astronomy II, with Lab (GT-SC1) PHY 211: Physics: Calculus-based I, with Lab (GT-SC1)
	39	TOTAL GEN ED CREDITS

II. Required Courses

Credit Hours	Community College Course Number and Title
5	MAT 202: Calculus II (GT-MA1)
5	PHY 212: Physics: Calculus-based II, with Lab (GT-SC1)
8	Two additional gtPathways Science courses with labs (GT-SC1) in a sequence (i.e., GEO 111 & 112 or GEY 111 & 112)
18	TOTAL REQUIRED COURSES 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	Community College Course Number and Title
3	Gen Ed credits that went over the 39 required for an AS degree.
60	TOTAL ASSOCIATE DEGREE CREDITS

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.
3. **Credit earned outside the Colorado Community College System:** Courses taken at other universities and colleges outside the Colorado Community College System, AP, IB, CLEP, and other sources of credit may not be applicable upon transfer to CU Boulder even if applied to an associate's degree at a Colorado Community College.

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>

CU-Boulder College of Arts & Sciences Admissions Requirements Note

The College of Arts & Sciences at CU-Boulder has Minimum Academic Preparation Standards (MAPS) as part of its admission requirements. If a student does not meet MAPS with high school courses, they have to meet them with college-level work. Included in MAPS are 4 years of English, 4 years of College Prep Math, 3 years of Natural Science, including a year of Chemistry or Physics, 3 years of Social Science including a year of U.S. or World History and a year of Geography, and 3 years of the same high school foreign language. If a student has any MAPS deficiencies, they will not be able to finish the designated baccalaureate degree in no more than 60 credits at CU Boulder unless there are enough available credits in section III of the transfer guide (Elective and Recommended Courses). A semester-long college-level course equates to one year in a high school course. MAPS do not apply to those who graduated from high school prior to 1988 or who graduated from a non-U.S. high school.