

**Transfer Guide for Colorado Community College Students Transferring to:
Metropolitan State University of Denver – Bachelor of Science – Biochemistry**

<https://www.msudenver.edu/chemistry/>

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Transfer Recommendation: The following transfer guide is based on students completing an Associate of Science Degree.

I. General Education Courses

Please review suggested coursework for the Global Diversity and Multicultural requirements under section III, Recommended Courses, before choosing General Studies courses.

	Credit Hours	Community College Course Number and Title or CCCS gtPathways Category
Written Communication	6	ENG 121: English Composition OR ENG 131: Technical Writing AND ENG 122: English Composition II
Oral Communication	3	COM 115: Public Speaking
Mathematics	5	MAT 201: Calculus I
Arts & Humanities	6	Two CCCS gtPathways Arts & Humanities courses from two different areas (GT-AH1 , GT-AH2 , GT-AH3 , or GT-AH4)
Social & Behavioral Sciences	6	Two CCCS gtPathways Social & Behavioral Science course from (GT-SS1 , GT-SS2 or GT-SS3)
History	3	One CCCS gtPathways History course (GT-HI1),
Natural & Physical Sciences	15	BIO 111: General College Biology I with Lab AND CHE 111: General College Chemistry I with Lab AND CHE 112: General College Chemistry II with Lab
	44	Total General Education Credits

II. Required Courses

Credit Hours	Community College Course Number and Title
5	MAT 202: Calculus II
5	BIO 112: General College Biology II with Lab
10	PHY 111: Physics, Algebra-based I with Lab AND PHY 112: Physics Algebra-based II with Lab OR PHY 211: Physics, Calculus-based I with Lab AND PHY 212: Physics, Calculus-based II with Lab
20	Total Required Courses Credits

III. Recommended Courses

“Recommended Courses” means courses that students are strongly encouraged, but not required, to take for preparation in this major.

Credit Hours	Community College Course Number and Title
0	<p>Global Diversity: Choose from among the following options. Note to students: This requirement is intended to be fulfilled by taking a single course that fits this category and one other category from your general education requirements including: Arts and Humanities, Historical, Natural and Physical Sciences, Social and Behavioral Sciences I, or Social and Behavioral Sciences II.</p> <p>ANT 111: Biological Anthropology with Lab (GT-SC1) ART 111: Art History Ancient to Medieval (GT-AH1) ART 112: Art History Renaissance to Modern (GT-AH1) GEO 105: World Regional Geography (GT-SS2) GEO 106: Human Geography (GT-SS2) HIS 101: Western Civilization: Antiquity-1650 (GT-HI1) HIS 102: Western Civilization: 1650-Present (GT-HI1) HIS 111: The World: Antiquity-1500 (GT-HI1) HIS 112: The World: 1500-Present (GT-HI1) HIS 205: Women in World History (GT-HI1) HIS 243: History of Modern China (GT-HI1) HIS 244: History of Latin America (GT-HI1) HIS 249: History of Islamic Civilization (GT-HI1) HIS 255: The Middle Ages (GT-HI1) HIS 259: Modern Middle East (GT-HI1) MUS 123: Survey of World Music (GT-AH1) POS 205: International Relations (GT-SS1)</p>
0	<p>Multicultural: Choose from among the following Options. Note to students: This requirement is intended to be fulfilled by taking a single course that fits this category and one other category from your general education requirements including: Arts and Humanities, Historical, Natural and Physical Sciences, Social and Behavioral Sciences I, or Social and Behavioral Sciences II.</p> <p>ANT 215: Native People of North America (GT-SS3) ETH 200: Introduction to Ethnic Studies (GT-SS3) HIS 208: American Indian History (GT-HI1) HIS 250: African American History (GT-HI1) LIT 205: Ethnic Literature (GT-AH2) LIT 259: Survey of African-American Literature (GT-AH2) MUS 125: History of Jazz (GT-AH1) SOC 218: Sociology of Diversity (GT-SS3)</p>
64	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 MSU Denver and an advisor for your options.

GUARANTEES & LIMITATIONS

1. **Completion of an Associate 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 to be able to finish the designated baccalaureate degree in no more than 60 credits. Course credit may be applied to major, elective or other requirements at MSU Denver 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 an Associate 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 MSU Denver. Students are strongly encouraged to finish course sequences (such as English Composition 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>