

**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 1021: English Composition OR ENG 1031: Technical Writing AND ENG 1022: English Composition II
Oral Communication	3	COM 1150: Public Speaking
Mathematics	5	MAT 2410: 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 1111: General College Biology I with Lab AND CHE 1111: General College Chemistry I with Lab AND CHE 1112: General College Chemistry II with Lab
	44	Total General Education Credits

II. Required Courses

Credit Hours	Community College Course Number and Title
5	MAT 2420: Calculus II
5	BIO 1112: General College Biology II with Lab
10	PHY 1111: Physics, Algebra-based I with Lab AND PHY 1112: Physics Algebra-based II with Lab OR PHY 2111: Physics, Calculus-based I with Lab AND PHY 2112: 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	Global Diversity: Choose from 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 & Humanities, History, and Social & Behavioral Sciences. Not all classes listed below, are offered at all Colorado Community Colleges. If the class is not offered at your Community College, pick another class that is offered at your Community College. ANT 1005: Biological Anthropology with Lab (GT-SC1)

	ART 1111: Art History Ancient to Medieval (GT-AH1) ART 1112: Art History Renaissance to Modern (GT-AH1) GEO 1005: World Regional Geography (GT-SS2) GEO 1006: Human Geography (GT-SS2) HIS 1310: Western Civilization: Antiquity-1650 (GT-HI1) HIS 1320: Western Civilization: 1650-Present (GT-HI1) HIS 1110: The World: Antiquity-1500 (GT-HI1) HIS 1120: The World: 1500-Present (GT-HI1) HIS 2005: Women in World History (GT-HI1) HIS 2610: History of Modern China (GT-HI1) HIS 2200: History of Latin America (GT-HI1) HIS 2500: History of Islamic Civilization (GT-HI1) HIS 2300: The Middle Ages (GT-HI1) HIS 2510: Modern Middle East (GT-HI1) MUS 1023: Survey of World Music (GT-AH1) POS 2005: International Relations (GT-SS1)
0	Multicultural: Choose from 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 & Humanities, History, and Social & Behavioral Sciences. Not all classes listed below, are offered at all Colorado Community Colleges. If the class is not offered at your Community College, pick another class that is offered at your Community College. ANT 2115: Native Peoples of N America (GT-SS3) ETH 2000: Introduction to Ethnic Studies (GT-SS3) HIS 2115: American Indian History (GT-HI1) HIS 2110: African American History (GT-HI1) LIT 2005: Ethnic Literature (GT-AH2) LIT 2059: Survey of African-American Literature (GT-AH2) MUS 1025: History of Jazz (GT-AH1) SOC 2018: Sociology of Diversity (GT-SS3)
64	TOTAL 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

- 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.
- 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>