

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

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<http://www.bmb.colostate.edu/undergraduates/advising/>

**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.

	<b>Credit Hours</b>	<b>Community College Course Number and Title or gtPathways Category</b>	<b>4-year Institution's Course</b>
Written Communication	6	ENG 121: English Composition I (3 cr) ( <a href="#">GT-CO1</a> ) and ENG 122: English Composition II (3 cr) ( <a href="#">GT-CO2</a> ) <b>or</b> ENG 122: English Composition II (3 cr) ( <a href="#">GT-CO2</a> ) and a <a href="#">GT-CO3</a> course (3 cr)	CO 130 and CO 150  CO 150 and CO2++ <b>or</b> HIST2++
Oral Communication	3	COM 115: Public Speaking (3cr) <b>or</b> COM 125 Interpersonal Communication (3cr) <b>or</b> COM 220: Intercultural Communication (3cr)	SPCM 200 SPCM 1++ <b>or</b> SPCM 2++
Mathematics	5	MAT 201: Calculus I ( <a href="#">GT-MA1</a> )	MATH 160 & 2++
Arts & Humanities	6	Two gtPathways Arts & Humanities courses from two different areas ( <a href="#">GT-AH1</a> , <a href="#">GT-AH2</a> , <a href="#">GT-AH3</a> , or <a href="#">GT-AH4</a> )	
Social & Behavioral Sciences	6	Two gtPathways Social & Behavioral Science courses from two different areas ( <a href="#">GT-SS1</a> , <a href="#">GT-SS2</a> , or <a href="#">GT-SS3</a> )	
History	3	One gtPathways History course ( <a href="#">GT-HI1</a> )	
Natural & Physical Sciences	15	CHE 111: General Chemistry I (5cr) ( <a href="#">GT-SC1</a> ) <b>and</b> CHE 112: General Chemistry II (5cr) ( <a href="#">GT-SC1</a> ) <b>and</b> BIO 111: General Biology I (5cr) ( <a href="#">GT-SC1</a> ).	CHEM 111 & 112 <b>and</b> CHEM 113, 114 & 1++L <b>and</b> LIFE 102 & 1++L
	<b>44</b>	<b>TOTAL GEN ED CREDITS</b> * Credits beyond 39 will apply to Elective Credits for an AS degree. * All of these credits will transfer and apply to the bachelor's degree but won't necessarily apply to general education credits at the 4-year institution.	

## II. Required Courses

Credit Hours	Community College Course Number and Title	4-year Institution's Course
5	MAT 202: Calculus II	MATH 161 & 2++
5	PHY 111: Physics: Alg-Based I or PHY 211: Physics: Calc-Based I	PH 121 or PH 141
5	PHY 112: Physics: Alg-Based II or PHY 212: Physics: Calc-Based II	PH 122 or PH 142
<b>15</b>	<b>TOTAL REQUIRED COURSE CREDITS</b>	

## 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
5	<i>Gen Ed credits that went over 37 for an AA or 39 for an AS degree</i>
1	Student chooses, with help from an advisor, from the approved electives list for the community college's AA or AS degree.
<b>1</b>	<b>TOTAL ELECTIVE/RECOMMENDED COURSE CREDITS</b>
<b>60*</b>	<b>TOTAL ASSOCIATE DEGREE CREDITS</b>

\*Students following this guide are encouraged to complete Colorado State University's CHEM341 (Community College CHE211) prior to enrollment at CSU in order to complete the remaining program requirements within two years.

### 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

- 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 \(CCHHE\) 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.
- 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.

For additional information on CCHE transfer policies and gtPathways guaranteed transfer of general education credit, visit <http://higherred.colorado.gov/Academics/Transfers/Students.html>. To file a transfer-related complaint with the Colorado Department of Higher Education, visit <http://higherred.colorado.gov/Academics/Complaints/default.html>