

# Best Choices Guide

## Biochemistry (BS)

This Associate of Science degree is designed for Colorado Community College System (CCCS) students who want to transfer to UCCS and complete a Bachelor of Science degree with a major in Biochemistry. It is based on the [best academic advising choices](#) for future UCCS students.

To earn the Associate of Science Degree, students must complete the following course requirements for a total of 60 semester credit hours, at least 34 of which must be Colorado State-Guaranteed Courses. Courses taken at other colleges, AP, IB, CLEP, DSST, and other sources of credit may not be applicable upon transfer to UCCS even if applied to the associate's degree at CCCS. Check the CDHE's [GT Pathways](#) website for more information.

To transfer to UCCS, students should have a cumulative GPA of 2.0 or better.

Degree Requirements	Courses	
<b>Written Communication</b> (6 hours)	<ul style="list-style-type: none"> <li>ENG 121</li> <li>ENG 122</li> </ul> <p><i>Note: Students who test into ENG 122 should take ENG 201 or HIS 265 as their second written communication course.</i></p>	
<b>Mathematics</b> (5 hours)	<ul style="list-style-type: none"> <li>MAT 201</li> </ul> <p><i>Note: Credits over 4 will be applied to the additional requirements below.</i></p>	
<b>Arts &amp; Humanities</b> (3 hours)	Complete one GT-AH Course ( <a href="#">GT-AH1</a> ) ( <a href="#">GT-AH2</a> ) ( <a href="#">GT-AH3</a> ) ( <a href="#">GT-AH4</a> )	
<b>History</b> (3 hours)	<ul style="list-style-type: none"> <li>Complete one GT-HI Course (<a href="#">GT-HI</a>) (<b>DO NOT</b> take more than one GT-HI course for this AA.)</li> </ul>	
<b>Social &amp; Behavioral Sciences</b> (3 hours)	<ul style="list-style-type: none"> <li>Complete one GT-SS Course (<a href="#">GT-SS1</a>) (<a href="#">GT-SS2</a>) (<a href="#">GT-SS3</a>) (ANT 101, GEO 105 or GEO 106 are preferred options to fulfill part of this requirement for UCCS students.)</li> </ul>	
<b>Physical and Life Sciences</b> (10 hours)	<ul style="list-style-type: none"> <li>CHE 111</li> <li>CHE 112</li> </ul>	
<b>Additional Requirements</b> (30 hours) Courses recommended by UCCS for this degree.	BIO 111	5
	CHE 211	5
	CHE 212	5
	COM 125	3
	PHY 111	5
	PHY 112	5
	General Electives	2

### Other AA/AS Requirements

- A minimum of 60 credit hours in a prescribed program of study with a cumulative grade point average of 2.0 (a C average). At least 15 of these credit hours must be earned from CCCS.
- Only 6 elective credits are allowed in any combination of PED courses.
- Career and technical courses, whether taken at another institution or at CCCS, are not accepted toward this degree without approval. Approval is given only when it is appropriate to the educational objectives of the student.
- Courses numbered below 100 do not apply towards degrees

### Foreign Language Note – UCCS

UCCS admission requirements include 2 years of the same high school foreign language (or equivalent 2 semesters at a Colorado Community College). Students planning to attend UCCS who do not have the prerequisite foreign language requirement should consider enrolling in these courses in addition to the degree requirements. Students who do not meet this requirement will need to fulfill it upon transferring to UCCS. This admission requirement does not apply to those who graduated from high school prior to 1988, who have a GED, who graduated from a non-U.S. high school, or who can prove proficiency in a foreign language through the 2<sup>nd</sup> semester at college level. **Please check with the Transfer Advisor ([transfer@uccs.edu](mailto:transfer@uccs.edu)) to see if this requirement applies to you.**

### Additional Resources

The UCCS transfer website ([www.uccs.edu/transfer](http://www.uccs.edu/transfer)) has many additional resources for students transferring from CCCS to UCCS.

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## Four-Year Degree Plan – Biochemistry (BS)

The following four-year plan lists all the specific course requirements for the Bachelor of Arts in Biochemistry degree at UCCS. Courses are listed by the course number at the appropriate institution. The order in which these courses are taken may vary with course availability. **Students are responsible for completing all course prerequisites.** Please note that this is a *suggested* degree program; your program may vary.

### Suggested First Year

FALL			SPRING		
√	Course	Hours	√	Course	Hours
	ENG 121	3		BIO 111	5
	CHE 111	5		CHE 112	5
	GT-AH course	3		MAT 201	5
	GT-SS course from: GEO 105, GEO 106, or ANT 101	3			
	<b>TOTAL</b>	<b>14</b>		<b>TOTAL</b>	<b>15</b>

### Suggested Second Year

FALL			SPRING		
√	Course	Hours	√	Course	Hours
	ENG 122	3		CHE 212	5
	CHE 211	5		COM 125	3
	PHY 111	5		PHY 112	5
	GT-HI course	3		General Elective	2
	<b>TOTAL</b>	<b>16</b>		<b>TOTAL</b>	<b>15</b>

### Suggested Third Year

FALL			SPRING		
√	Course	Hours	√	Course	Hours
	CHEM 2201	3		CHEM 4222	3
	CHEM 4001/4002	4		CHEM 4231	3
	CHEM 4221	3		CHEM 4701	3
	Upper Division (UD) CHEM Elective	3		Social Science Elective ( <i>Inclusiveness</i> )	3
	Social Science Elective ( <i>Cultural Diversity</i> )	3		Humanities Elective	3
	<b>TOTAL</b>	<b>16</b>		<b>TOTAL</b>	<b>15</b>

### Suggested Fourth Year

FALL			SPRING		
√	Course	Hours	√	Course	Hours
	CHEM 4232 or CHEM 4502	3		CHEM 4261	3
	CHEM 4921	3		UD CHEM Elective	3
	UD CHEM Elective	3		UD CHEM Elective	3
	HUM 3990	3		UD General Elective	3
	General Elective ( <i>Sustainability</i> )	3		UD General Elective	2
	<b>TOTAL</b>	<b>15</b>		<b>TOTAL</b>	<b>14</b>

### UCCS Bachelor of Science, Biochemistry Major Requirements

- A minimum of 120 hours must be completed with a cumulative CU grade point average of 2.0; at least 45 of these hours must be at the upper-division level (courses numbered 3000-4999).
- The Biochemistry major requires a minimum of 52 hours with a grade point average of 2.0, and at least 18 of the hours must be at the upper-division level (courses numbered 3000-4999).
- The last 30 hours of the degree must be completed while registered in the College of Letters, Arts and Sciences at UCCS.
- In addition to the requirements listed on this handout, students are required to complete one course in Oral Communication, Cultural Diversity and Global Awareness. The courses may be within the major, part of general education or electives. Biochemistry majors will have met the Global Awareness requirement by completing one course from ANT 101, GEO 105 or GEO 106 at the community college.

Prospective Student Advising: Transfer Advisor ([transfer@uccs.edu](mailto:transfer@uccs.edu))