

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. Please note that final graduation requirements for the bachelor's degree will be based on your year of admission to UCCS. Contact transfer@uccs.edu for more information.

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	
Written Communication (6 hours)	<ul style="list-style-type: none"> ENG 121/1021 ENG 122/1022 <p><i>Note: Students who test into ENG 122/1022 should take ENG 201/2001 or HIS 265/2765 as their second written communication course.</i></p>	
Mathematics (5 hours)	<ul style="list-style-type: none"> MAT 201/2410 <i>Note: Credits over 4 will be applied to the additional requirements below.</i> 	
Arts & Humanities (3 hours)	Complete one GT-AH Course (GT-AH1) (GT-AH2) (GT-AH3) (GT-AH4)	
History (3 hours)	<ul style="list-style-type: none"> Complete one GT-HI Course (GT-HI) (DO NOT take more than one GT-HI course for this AA.) 	
Social & Behavioral Sciences (3 hours)	<ul style="list-style-type: none"> Complete one GT-SS Course (GT-SS1) (GT-SS2) (GT-SS3) <i>Note: These courses are highly recommended: ANT 101/1001, GEO 105/1005 or GEO 106/1006</i> 	
Physical and Life Sciences (10 hours)	<ul style="list-style-type: none"> CHE 111/1111 CHE 112/1112 	
Additional Requirements (30 hours) Courses recommended by UCCS for this degree.	BIO 111/1111	5
	CHE 211/2111	5
	CHE 212/2112	5
	COM 125/1250	3
	PHY 211/2111	5
	PHY 212/2112	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.
- 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 100/1000 do not apply towards degrees.

Language other than English - UCCS

Beginning fall 2023, the College of Letters, Arts and Sciences at UCCS requires all students to meet a language requirement equivalent to two semesters of beginner-level instruction in a language other than English before graduation. Students will have fulfilled the requirement upon admission by having completed any of the following equivalents to the first two semesters of language courses (1010/1020) at UCCS: two years of the same world language in high school; AP, IB, or CLEP scores; or completion of a World Language course 1012 or higher in the Colorado Community College System. Students who graduated from high school prior to 1993 and veteran and active duty military students in specific situations will be exempt. Students may test out of all or part of the requirement by taking a placement exam at UCCS. **Please contact a Transfer Advisor (transfer@uccs.edu) with questions.**

Additional Resources

The UCCS transfer website (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 121/1021	3		BIO 111/1111	5
	CHE 111/1111	5		CHE 112/1112	5
	GT-AH course	3		MAT 201/2410	5
	GT-SS course (<i>see recommendations above</i>)	3			
	TOTAL	14		TOTAL	15

Suggested Second Year

FALL			SPRING		
√	Course	Hours	√	Course	Hours
	ENG 122/1022	3		CHE 212/2112	5
	CHE 211/2111	5		COM 125/1250	3
	PHY 111/1111	5		PHY 112/1112	5
	GT-HI course	3		General Elective	2
	TOTAL	16		TOTAL	15

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
	TOTAL	16		TOTAL	15

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
	TOTAL	15		TOTAL	14

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 101/1001, GEO 105/1005 or GEO 106/1006 at the community college.

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