

Best Choices Guide

Biochemistry (BS)

This Associate of Science pathway 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 courses listed on page 1 of this guide for a total of 60 credit hours. At least 31 credits must be GT Pathways Courses. At least 15 credit hours must be earned from the CCC granting the AA or AS degree. 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.

A cumulative GPA of 2.0 or better is required for transfer student admission to UCCS. A minimum grade of C- or higher is required for courses to transfer to UCCS.

Degree Requirements	Courses	
Written Communication (6 hours)	- ENG 121/1021 - ENG 122/1022 <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>	
Mathematics¹ (5 hours)	MAT 201/2410	
Arts & Humanities (3 hours)	Complete one GT-AH Course (GT-AH1) (GT-AH2) (GT-AH3) (GT-AH4)	
History (3 hours)	Complete one GT-HI Course (GT-HI) (DO NOT take more than one GT-HI course for this AA.)	
Social & Behavioral Sciences (3 hours)	Complete one GT-SS Course (GT-SS1) (GT-SS2) (GT-SS3)	
Physical and Life Sciences (10 hours)	- CHE 111/1111 - CHE 112/1112	
Additional Recommendations (30 hours) Courses recommended by UCCS for this degree.	BIO 111/1111	5
	CHE 211/2111	5
	CHE 212/2112	5
	PHY 211/2111	5
	PHY 212/2112	5
	General Electives ²	5

¹Reasoning Skills – UCCS

The College of Letters, Arts and Sciences (LAS) at UCCS requires all students to complete a Reasoning Skills requirement.

- Biochemistry majors** take MAT 201/2410 **AND** a required Statistics course at UCCS (CHEM 4001 - Analytical Chemistry I) to fulfill the Reasoning Skills requirement.

²Language other than English - UCCS

Beginning fall 2023, the College of Letters, Arts and Sciences (LAS) at UCCS requires all students to complete a language requirement as part of their degree program. Students who provide a final, official transcript showing completion of an Associate's degree prior to their first semester of enrollment at UCCS will be waived from this requirement. For those who don't complete the Associate's degree, the second semester of a world language (ex: SPA 1012, Spanish Language II) or higher completes the requirement. Students who completed two years of the same world language in high school, or have AP, IB, or CLEP scores equivalent to a Language II course, will have completed the requirement upon receipt of high school transcripts and/or exam scores. Other exemptions and test-out options are available.

Best Choices Guide

Four-Year Degree Plan – Biochemistry (BS)

The following four-year plan lists all the specific course requirements for the Bachelor of Science 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
	General Elective	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		PHY 212/2112	5
	PHY 211/2111	5		GT-SS course	3
	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 (<i>Reasoning Skills</i>)	4		CHEM 4231	3
	CHEM 4221	3		CHEM 4701	3
	Upper Division (UD) CHEM Elective	3		General Elective	3
	General Elective (<i>Writing Intensive</i>)	3		General Elective (<i>Inclusiveness</i>)	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 (<i>Inclusiveness</i>)	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 58 hours with a grade point average of 2.0, and at least 16 of the hours must be at the upper-division level.
- At least 30 hours of the degree must be completed while registered in the College of Letters, Arts and Sciences at UCCS.

Additional Resources

- Visit the UCCS Transfer website at [Transfer Admissions](https://www.uccs.edu/transfer)
- Contact a Transfer Advisor at transfer@uccs.edu