

Best Choices Guide

Mathematics (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 Mathematics. 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 Arts degree with Designation (DwD), students must complete courses listed on page 1 of this guide for a total of 60 credit hours. At least 34 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>	
Oral Communication (3 hours)	COM 125/1250	
Mathematics¹ (5 hours)	MAT 201/2410	
Arts & Humanities (6 hours)	Complete two GT-AH courses (GT-AH1) (GT-AH2) (GT-AH3) (GT-AH4)	
History (3 hours)	Complete on GT-HI1 course (GT-HI1) (DO NOT take more than one GT-HI course for this AS.)	
Social & Behavioral Sciences (6 hours)	Complete two GT-SS courses (GT-SS1) (GT-SS2) (GT-SS3)	
Natural and Physical Sciences (7 hours)	Complete two GT-SC courses. (GT-SC1) (GT-SC2) <i>At least one course MUST come from the GT-SC1 category.</i> <i>Note 1: PHY 211/2111 and PHY 212/2112 are required for the Applied Math Option.</i> <i>Note 2: Credits over 7 will be applied to the additional requirements below.</i>	
Additional Requirements (24 hours)	MAT 202/2420	5
	MAT 204/2431	5
	CSC 119/1019 (prerequisite for CSC 160/1060)	3
	CSC 160/1060	4
	General Electives ²	7

State-Wide Articulation Agreement

This guide is based on the Colorado State-Wide Transfer Articulation Agreement (STAA) for your major. For additional information regarding guarantees, limitations, and addendums to that agreement please visit [Transfer Degrees | Colorado Department of Higher Education Home](#).

¹Reasoning Skills – UCCS

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

- Mathematics majors** take MAT 201/2410 **AND** a required Statistics course for the major at UCCS (MATH 3810 - Intro to Probability and Statistics) 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.

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Four-Year Degree Plan - Mathematics

The following four-year plan lists all the specific course requirements for the Bachelor of Science in Mathematics 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		ENG 122/1022	3
	MAT 201/2410	5		MAT 202/2420	5
	CSC 119/1019	3		CSC 160/1060	4
	GT-SS course	3		GT-AH course	3
	General Elective	1			
		TOTAL			TOTAL
		15			15

Suggested Second Year

FALL			SPRING		
✓	Course	Hours	✓	Course	Hours
	MAT 204/2431	5		COM 125/1250	3
	GT-SC1 course	4		GT-SC course	3
	GT-SS course	3		GT-AH course	3
	General Elective	3		GT-HI course	3
				General Elective	3
		TOTAL			TOTAL
		15			14

Suggested Third Year

FALL			SPRING		
✓	Course	Hours	✓	Course	Hours
	MATH 2150	3		MATH 3110	3
	MATH 2650	3		MATH 3400	3
	MATH 3130	3		MATH 3410	3
	MATH 3810	3		General Elective (<i>Inclusiveness</i>)	3
	CS 1120 (<i>Applied Math Option only</i>) or General Elective	3		General Elective	3
		TOTAL			TOTAL
		15			15

Suggested Fourth Year

FALL			SPRING		
✓	Course	Hours	✓	Course	Hours
	Upper-Division (UD) MATH Option Course	1		MATH 4040 (<i>spring only</i>)	3
	UD MATH Option Course	3		UD MATH Option Course	3
	UD MATH Option Course	3		UD General Elective	3
	UD MATH Option Course	3		UD General Elective	3
	HUM 3990	3		UD General Elective (<i>Sustainability</i>)	2
	UD General Elective (<i>Inclusiveness</i>)	3			
		TOTAL			TOTAL
		16			14

UCCS Bachelor of Arts, Mathematics 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 Mathematics major requires a minimum of 46 hours with a grade point average of 2.0, and at least 31 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