

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.

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 ENG 122 <p><i>Note: Students who test into ENG 122 should take ENG 201 or HIS 265 as their second written communication course.</i></p>	
Communication (3 hours)	<ul style="list-style-type: none"> COM 125 	
Mathematics (5 hours)	<ul style="list-style-type: none"> MAT 201 	
Arts & Humanities (9 hours)	<ul style="list-style-type: none"> Complete three GT-AH courses (GT-AH1) (GT-AH2) (GT-AH3) (GT-AH4) 	
History (3 hours)	<ul style="list-style-type: none"> Complete on GT-HI1 course (GT-HI1) (DO NOT take more than one GT-HI course for this AS.) 	
Social & Behavioral Sciences (6 hours)	<ul style="list-style-type: none"> Complete two GT-SS courses (GT-SS1) (GT-SS2) (GT-SS3) (ANT 101, GEO 105 or GEO 106 are preferred options to fulfill part of this requirement for UCCS students.) 	
Physical and Life Sciences (10 hours)	<ul style="list-style-type: none"> PHY 211 PHY 212 	
Additional Requirements (18 hours) Courses recommended by UCCS for this degree.	MAT 202	5
	MAT 204	5
	CSC 119 (prerequisite for CSC 160)	3
	CSC 160	4
	Open Elective	1

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 of the CCCS Vice President for Instructional Services. Approval is given only when it is appropriate to the educational objectives of the student.
- Courses numbered below 100 do not apply towards degrees

State-Wide Articulation Agreement

This guide is based on the Colorado state-wide transfer articulation for your major. For additional information regarding guarantees, limitations, and addendums to that agreement please visit the Guaranteed Transfer and Guided Pathways page on the Colorado Department of Higher Education website (higher.ed.colorado.gov/Academics/Transfers/Students.html).

Foreign Language Note – UCCS

UCCS admission requirements include 2 years of the same high school foreign language (or equivalent 2 semesters at Pikes Peak 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 2nd semester at college level. **Please check with the Transfer Advisor (transfer@uccs.edu) to see if this requirement applies to you.**

Additional Resources

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

Best Choices Guide

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	3		ENG 122	3
	MAT 201	5		MAT 202	5
	CSC 119	3		CSC 160	4
	GT-AH course	3		GT-AH course	3
	GT-SS course	3			
	TOTAL	17		TOTAL	15

Suggested Second Year

FALL			SPRING		
√	Course	Hours	√	Course	Hours
	MAT 204	5		COM 125	3
	PHY 211	5		PHY 212	5
	General Elective	1		GT-AH course	3
	GT-SS course - 1 from: ANT 101, GEO 105, or GEO 106	3		GT-HI course	3
	TOTAL	14		TOTAL	14

Suggested Third Year

FALL			SPRING		
√	Course	Hours	√	Course	Hours
	MATH 2150	3		MATH 3110	3
	MATH 2650	1		MATH 3400	3
	MATH 3130	3		MATH 3410	3
	MATH 3810	3		Social Science Elective (<i>Inclusiveness</i>)	3
	General Elective (<i>Writing Intensive</i>)	4		General Elective	4
	TOTAL	14		TOTAL	16

Suggested Fourth Year

FALL			SPRING		
√	Course	Hours	√	Course	Hours
	MATH 4040 (<i>Oral Communication</i>)	1		UD MATH Option Course	3
	Upper-Division (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>Cultural Diversity</i>)	3			
	TOTAL	16		TOTAL	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 47 hours with a grade point average of 2.0, and at least 31 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. Mathematics 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)