

ACADEMIC ADVISING

Partnering with students to successfully navigate college

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Website: [Academic Advising](https://www.uccs.edu/advising)

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- Appointments: www.uccs.edu/advising/current-students

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GENERAL ACADEMIC INFORMATION

Minimum Graduation Requirements

- 120 credit hours
- 45 upper-division credit hours (3000-4999 level)
- 2.0 CU cumulative GPA
- Residency: Last 30 credit hours of degree must be completed while registered in the College of Letters, Arts, and Sciences at UCCS

Student Responsibilities

Students are required to know and follow:

- All academic policies set forth by the University, College, and academic department in the UCCS Catalog: catalog.uccs.edu
- All course prerequisites designated by the University. Failure to meet course prerequisites may result in an administrative drop of the course from a student's schedule. See degree audit for course prerequisites within the academic major.

DEGREE REQUIREMENTS

Explore Mathematics: [B.S. Program](https://www.uccs.edu/math) | [Department of Mathematics \(uccs.edu\)](https://www.uccs.edu/math)

Major Requirements			
MATH Major (BS) (45 hours)	Course/Area	Course Title	Credit Hours
<p>The BS in MATHEMATICS major requires a minimum of 45 credit hours of MATH course work and a minimum of 31 credit hours of upper-division (3000+ level) MATH course work.</p> <p>All MATH courses must have a grade of "C" or better.</p>	MATH 1350	Calculus I	4
	MATH 1360	Calculus II	4
	MATH 2150	Discrete Mathematics	3
	MATH 2350	Calculus III	4
	MATH 3110	Theory of Numbers	3
	MATH 3130	Introduction to Linear Algebra	3
	MATH 3210	Introduction to Geometry	3
	MATH 3400	Introduction to Differential Equations	3
	MATH 3410	Introduction to Analysis	3
	MATH 3480	Functions and Modeling	3
	OR		
	UTLS 3480	Functions and Modeling	3
	MATH 3810	Introduction to Probability & Statistics	
	MATH 4140	Modern Algebra	3
	OR		
	MATH 4310	Modern Analysis I	6
	MATH Electives	Complete 6 additional hours of MATH courses numbered 4000 or higher	
UCCS Teach Courses (30 hours)			
<p>A grade of "B-" or better must be earned in all UCCS Teach courses.</p> <p>Courses should be taken in the appropriate semester. See the four-year plan for details.</p>	UTED 1030	Inquiry Approaches/Lesson Plan Design for Secondary Math/Science Teaching	3
	UTED 2010	Knowing and Learning in Mathematics and Science	3
	UTED 3020	Classroom Interactions	3
	UTED 4710	Project-Based Instruction	3
	UTED 4720	Reading in the Content Area	3
	UTED 4730	Apprentice Teaching UCCS Teach and Seminar	12
	UTLS 3030	Perspectives on Science and Math	3

General Education and Elective Requirements

Core Writing Requirement (6 hours)	<ul style="list-style-type: none"> ENGL 1310, 1308, or 1305 (<i>Students choosing ENGL 1305 must complete ENGL 1300 first.</i>) ENGL 1410 PORT 3000 (0 Credits) – Writing Portfolio 	
Reasoning Skills	Included in Major requirements	
Area Requirements (27 hours) <ul style="list-style-type: none"> Maximum 2 courses from any one discipline may be applied to the area requirements 	<ul style="list-style-type: none"> Humanities – 9 credit hours of which 3 credits must be HUM3990. Social Sciences – 9 credit hours Natural Sciences – 9 credits hours, of which at least 1 credit must be from a lab course <p>NOTE: Cannot select courses from primary major courses for area requirements.</p>	
Oral Communication, Cultural Diversity, and Global Awareness Requirements	One course from each list (see degree audit). <i>All courses that fulfill these requirements may also count towards other general education or major requirements.</i>	
LAS Language other than English Requirement	Complete two semesters of a language other than English equivalent to 1010 & 1020 with high school, transfer, placement exam, or UCCS coursework. <i>Courses taken to fulfill this requirement may also count toward Compass Curriculum Explore - Arts, Humanities and Cultures or general electives. See degree audit for details.</i>	
Compass Curriculum (9 hours) <ul style="list-style-type: none"> Explore and Navigate courses must be outside major and area requirements Writing Intensive, Inclusiveness, and Sustainability courses can count towards other requirements within degree 	Component	Course
	Gateway	GPS 1010
	Explore – Arts, Humanities and Cultures	See Degree Audit
	Explore – Society, Behavior and Health	UTED 1030
	Explore – Physical and Natural World	See Degree Audit
	Navigate	HUM 3990 (included in LAS area requirements)
	Summit	UTED 4730 (included in Education requirements)
	Writing Intensive Courses (WIC) <i>Two courses with one upper-division (3000+ level)</i>	<ul style="list-style-type: none"> HUM 3990 (included in LAS area requirements) UTED 4720 (included in UCCS Teach requirements)
	Inclusiveness	See Degree Audit
	Sustainability	See Degree Audit
General Electives (3 hours)	Complete additional courses to meet total and upper-division requirements for your degree program.	

FOUR-YEAR DEGREE PLAN

Please note that this is an *example* degree program and your program may vary. **Students are responsible for completing all course prerequisites.**

Year One	✓	FALL	Hours	✓	SPRING	Hours
		ENGL 1310	3		ENGL 1410	3
		MATH 1350	4		MATH 1360	4
		GPS 1010	3		Social Science Elective (<i>Global Awareness/Inclusiveness</i>)	3
		Explore – Arts, Humanities & Cultures Course	3		UTED 1030	3
		General Elective	3		Explore – Physical & Natural World Course	3
		TOTAL	16		TOTAL	16

Year Two	✓	FALL	Hours	✓	SPRING	Hours
		MATH 2350	4		MATH 3810	3
		MATH 2150	3		MATH 3110 (Spring Only)	3
		UTED 2010	3		UTED 3020	3
		Humanities Elective	3		Humanities Elective	3
		Social Science Elective (<i>Cultural Diversity</i>)	3		Natural Science Elective	4
		TOTAL	16		TOTAL	16

Year Three	✓	FALL	Hours	✓	SPRING	Hours
		MATH 3130	3		MATH 3400	3
		MATH 3210	3		MATH 3410 (Spring Only)	3
		MATH 3480 or UTLS 3480 (Fall Only)	3		MATH 4000 Elective	3
		UTED 4720 (Fall Only)	3		UTLS 3030 (Spring Only)	3
		Natural Science Elective w/ Lab	5		Social Science Elective (<i>Sustainability</i>)	3
		TOTAL	17		TOTAL	15

Year Four	✓	FALL	Hours	✓	SPRING	Hours
		MATH 4140 or 4310 (Fall Only)	3		UTED 4730	12
		MATH 4000 Elective	3			
		HUM 3990	3			
		UTED 4710	3			
		TOTAL	12		TOTAL	12

NOTE: Students must complete all course requirements other than UTED 4730 before the final semester.