

## ACADEMIC ADVISING

*Partnering with students to successfully navigate college*

**Location:** Main Hall 208

**Phone:** 719.255.3260

**Website:** [www.uccs.edu/advising](http://www.uccs.edu/advising)

**Connect With Your Advisor**

Current UCCS Students

- Appointments: [www.uccs.edu/advising/current-students](http://www.uccs.edu/advising/current-students)

- Drop In Advising: Most Wednesdays, 1:00pm - 4:00pm

Prospective Students: [www.uccs.edu/admissions/contact](http://www.uccs.edu/admissions/contact)

## 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](http://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 | Department of Mathematics \(uccs.edu\)](http://B.S.Program|DepartmentofMathematics(uccs.edu))

Major Requirements							
MATH Major (BS) (47 hours)	Course/Area	Course Title			Credit Hours		
The BS in MATHEMATICS major requires a minimum of 47 credit hours of MATH course work and a minimum of 31 credit hours of upper-division (3000+ level) MATH course work.	MATH 1350	Calculus I			4		
	MATH 1360	Calculus II			4		
	MATH 2150	Discrete Mathematics			3		
	MATH 2350	Calculus III			4		
	MATH 2650	Introduction to Computational Math			1		
	MATH 3110	Theory of Numbers			3		
	MATH 3130	Introduction to Linear Algebra			3		
	MATH 3400	Introduction to Differential Equations			3		
	MATH 3410	Introduction to Analysis			3		
	MATH 3810	Intro to Probability & Statistics			3		
	MATH 4040	Senior Seminar			1		
	All MATH courses must have a grade of "C" or better.	<b>Required Option</b>					
		All BS Mathematics Majors must select one of the Options below.					
		<b>Applied Mathematics Option<sup>1</sup></b>			<b>Statistics Option</b>		
MATH 4310		Modern Analysis I	3	MATH 4810	Mathematical Statistics I	3	
MATH 4470		Methods of Applied Mathematics	3	MATH 4820	Mathematical Statistics II	3	
MATH 4650		Numerical Analysis	3	MATH 4850	Stochastic Modeling	3	
Math Electives		Complete 6 additional hours of MATH 4000+.	6	Math Electives	Complete 6 additional hours of MATH 4000+.	6	
<b>Flexible Option</b>			<b>Pure Mathematics Option</b>				
Directed Elective <i>Choose one</i>		MATH 4130, 4140, 4310	3	MATH 4140	Modern Algebra I	3	
Math Electives		Complete 12 additional hours of MATH 4000+.	12	MATH 4310	Modern Analysis I	3	
			Math Electives	Complete 9 additional hours of MATH 4000+.	9		
Option Course Recommendations: See the degree audit for recommended elective courses based on post-graduate goals.							
	<sup>1</sup> NOTE: The Applied Math option requires completion of a Computer Science sequence from either CS1120/2060 or CS 1150/1450.						

## General Education and Elective Requirements

<b>Core Writing Requirement</b> (6 hours)	<ul style="list-style-type: none"> <li>ENGL 1310, 1308, or 1305 (<i>Students choosing ENGL 1305 must complete ENGL 1300 first.</i>)</li> <li>ENGL 1410</li> <li>PORT 3000 (0 Credits) – Writing Portfolio</li> </ul>	
<b>Reasoning Skills</b>	<ul style="list-style-type: none"> <li>MATH 1350 (included in major requirements)</li> <li>MATH 3810 (included in major requirements)</li> </ul>	
<b>Area Requirements</b> (27 hours) <ul style="list-style-type: none"> <li>Maximum 2 courses from any one discipline may be applied to the area requirements</li> <li>Courses may not be taken pass/fail</li> </ul>	<ul style="list-style-type: none"> <li>Humanities – 9 credit hours of which 3 credits must be HUM 3990.</li> <li>Social Sciences – 9 credit hours</li> <li>Natural Sciences – 9 credits hours of which at least 1 credit must be from a lab course; Students pursuing the Applied Mathematics Option should take PES 1110, 1120, and 1160 to fulfill this requirement.</li> </ul> <p><b>NOTE:</b> Cannot select courses from primary major courses for area requirements.</p>	
<b>Oral Communication, Cultural Diversity, and Global Awareness Requirements</b>	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>	
<b>Compass Curriculum</b> (12 hours) <ul style="list-style-type: none"> <li>Explore and Navigate courses must be outside major and area requirements</li> <li>Writing Intensive, Inclusiveness, and Sustainability courses can count towards other requirements within degree</li> </ul>	<b>Component</b>	<b>Course</b>
	<b>Gateway</b>	GPS 1010
	<b>Explore – Arts, Humanities and Cultures</b>	See Degree Audit
	<b>Explore – Society, Behavior and Health</b>	See Degree Audit
	<b>Explore – Physical and Natural World</b>	See Degree Audit
	<b>Navigate</b>	HUM 3990 (included in LAS area requirements)
	<b>Summit</b>	MTBS 4040 (included in major requirements)
	<b>Writing Intensive Courses (WIC)</b> <i>Two courses with one upper-division (3000+ level)</i>	<ul style="list-style-type: none"> <li>HUM 3990 (included in LAS area requirements)</li> <li>See Degree Audit</li> </ul>
<b>Inclusiveness</b>	See Degree Audit	
<b>Sustainability</b>	See Degree Audit	
<b>NOTE: Applied Mathematics Option Computer Science Sequence</b>	Complete one option CS 1120 and CS 2060 <b>OR</b> CS 1150 and CS 1450	
<b>General Electives</b> (22-28 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
		MATH 1350	4		MATH 1360	4
		GPS 1010	3		Humanities Elective	3
		Explore – Arts, Humanities & Cultures Course	3		Explore – Society, Behavior & Health Course	3
		General Elective	3		General Elective	3
		<b>TOTAL</b>	<b>16</b>		<b>TOTAL</b>	<b>16</b>

Year Two	✓	FALL	Hours	✓	SPRING	Hours
			MATH 2150	3		MATH 2650
		MATH 2350	4		MATH 3110 (Spring Only)	3
		Explore - Physical & Natural World Course	3		Natural Science Elective w/ Lab	4
		Humanities Elective ( <i>Writing Intensive</i> )	3		Social Science Elective ( <i>Global Awareness</i> )	3
		General Elective	3		General Elective	4
		<b>TOTAL</b>	<b>16</b>		<b>TOTAL</b>	<b>15</b>

Year Three	✓	FALL	Hours	✓	SPRING	Hours
			MATH 3130	3		MATH 3400
		MATH 3810	3		MATH 3410	3
		Natural Science Elective	3		Natural Science Elective	2
		Social Science Elective ( <i>Cultural Diversity</i> )	3		Social Science Elective	3
		Upper Division (UD) General Elective	3		UD General Elective ( <i>Inclusiveness</i> )	3
		<b>TOTAL</b>	<b>15</b>		<b>TOTAL</b>	<b>14</b>

Year Four	✓	FALL	Hours	✓	SPRING	Hours
			MATH 4040	1		MATH Option Course
		MATH Option Course	3		MATH Option Course	3
		MATH Option Course	3		MATH Option Course	3
		HUM 3990	3		UD General Elective	3
		UD General Elective ( <i>Sustainability</i> )	3		UD General Elective	3
		<b>TOTAL</b>	<b>13</b>		<b>TOTAL</b>	<b>15</b>