

## ACADEMIC ADVISING

*Partnering with students to successfully navigate college*

**Location:** Main Hall 208

**Phone:** 719.255.3260

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

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Current UCCS Students

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

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

## GENERAL ACADEMIC INFORMATION

### Minimum Graduation Requirements

- 130 credit hours
- 2.0 CU cumulative GPA
- Residency: Last 30 credit hours of degree must be completed while registered in the College Engineering & Applied Science 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 Data Analytics and Systems Engineering (DASE): [BI in Data Analytics and Systems Engineering \(DASE\) - \(uccs.edu\)](http://www.uccs.edu/degree-requirements/dase)

Major Requirements			
DASE Required courses (35 hours)	Course/Area	Course Title	Credit Hours
<ul style="list-style-type: none"> <li>• A minimum GPA of 2.0 must be maintained on all courses taken toward the major.</li> </ul> <p><i>You must be admitted into the College of Engineering in order to take any CS, MAE, ECE, or ENGR coursework.</i></p>	DASE 1011	Introduction to Data Analytics and System Engineering	3
	DASE 2020	Introduction to Statistics for Data Analytics	3
	DASE 2021	Computer Based Modeling in C	3
	DASE 4460	Intelligent Robotics	3
	CS 1150	Principles of Computer Science	3
	CS 1450	Data Structure and Algorithms	3
	CS 2080	Programing with Unix	3
	CS 3050	Social and Ethical Implications of Computing	1
	CS 3080	Python Programming	3
	CS 3300	Introduction to Software Engineering	3
	MGMT 3300	Introduction to Management and Organization	3
	ECE 4890	Senior Seminar	1
	ECE 4899	Senior Design Project	3
<b>DASE Required Track</b> (18 hours)  DASE students are required to pick one of the tracks listed as part of their degree program.	Data Analytics Track	<i>Complete 18 credit hours from the courses listed below.</i> DASE 3009, 4435, 4470, 4570, 4710, 4860	18
	Systems Engineering Track	<i>Complete 18 credit hours from the courses listed below.</i> DASE 3009, 4000, 4030, 4570, 4910 ECE 2205, 2610, 3003, 3210 MAE 2055, 3342, 3401, 4421, 4425	18
	General Track	<i>Complete 9 hours from each of the Data Analytics and Systems Engineering Tracks above.</i>	18
<b>BI Innovation Core</b> (24 hours)	INOV 1000 or INOV 1001	Introduction to Entrepreneurship or Social Entrepreneurship	3
	INOV 1010 or INOV 1011	The Innovation Process or Social Innovation	3
	INOV 2010	Innovation Team: Analyze and Report	3
	INOV 2100	Technical Writing, Proposals, and Presentations	3
	INOV 2500	Business Law and Innovation	3
	INOV 3010	Innovation Team: Research and Execute	3
	INOV 4010	Innovation Team: Design and Lead	3
	INOV 4500	Entrepreneurship and Strategy	3
<b>BI Cross-Discipline Core</b> (15 hours)	<i>Complete one of the Cross-Discipline Cores listed below. Each Cross-Discipline Core consists of 15 credit hours. See the degree audit or Academic Catalog for specific courses: <a href="http://catalog.uccs.edu/">http://catalog.uccs.edu/</a> <b>Business, Creative Communication, Globalization, Inclusive Education, or Custom (for Veterans and Transfer students only)</b></i>		15

## General Education and Elective Requirements

<b>Core Writing Requirement</b> (3 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>Writing Portfolio – PORT 3000 (0 credits) or PORT 4000 (1 credit) or alternative – See Degree Audit</li> </ul>		
<b>Mathematics</b> (21 hours)	<ul style="list-style-type: none"> <li>MATH 1350</li> <li>MATH 1360</li> <li>MATH 2350</li> <li>CS 2150</li> <li>CS 2300</li> <li>ECE 3610 or MATH 3810</li> </ul>		
<b>Basic Science</b> (11 hours)	<ul style="list-style-type: none"> <li>PES 1110</li> <li>Complete an additional 7 hours from: BIOL 1300, 1310, 1350, 1360; CHEM 1101, 1102, 1121, 1122, 1201, 1401, 1402, 1411, 1412; PES 1120, 1160, 2160.</li> </ul>		
<b>Compass Curriculum</b> (3 hours)	<b>Component</b>	<b>Course</b>	
<ul style="list-style-type: none"> <li>Explore and Navigate courses must be taken in departments other than the major.</li> <li>Writing Intensive, Inclusiveness, and Sustainability courses may count toward other requirements within the degree.</li> </ul>	<b>Gateway</b>	GPS 1010	
	<b>Explore – Arts, Humanities and Cultures</b>	INOV 1010 or INOV 1011 (included in BI Core)	
	<b>Explore – Society, Behavior and Health</b>	INOV 1000 or INOV 1001 (included in BI Core)	
	<b>Explore – Physical and Natural World</b>	PES 1110 (included in Basic Science requirement)	
	<b>Navigate</b>	INOV 3010 (included in BI Core)	
	<b>Summit</b>	INOV 4500 (included in BI Core)	
	<b>Writing Intensive Courses (WIC)</b> <i>Two courses with one upper-division (3000+ level)</i>	<ul style="list-style-type: none"> <li>INOV 2010 (included in BI Core)</li> <li>INOV 3010 (included in BI Core)</li> </ul>	
	<b>Inclusiveness</b>	INOV 1010 or INOV 1011 (included in BI Core)	
	<b>Sustainability</b>	INOV 1000 or INOV 1001 (included in BI Core)	

## 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.**

<b>Year One</b>	✓	<b>FALL</b>	<i>Hours</i>	✓	<b>SPRING</b>	<i>Hours</i>
		DASE 1011	3		DASE 2021	3
		CS 1150	3		CS 1450	3
		INOV 1000 or INOV 1001	3		INOV 1010 or INOV 1011	3
		GPS 1010	3		MATH 1360	4
		MATH 1350	4		PES 1110	4
		<b>TOTAL</b>	<b>16</b>		<b>TOTAL</b>	<b>17</b>

<b>Year Two</b>	✓	<b>FALL</b>	<i>Hours</i>	✓	<b>SPRING</b>	<i>Hours</i>
		INOV 2500	3		CS 2080	3
		CS 2150	3		CS 3050	1
		CS 2300	3		CS 3080	3
		DASE 2020	3		ECE 3610 ( <i>spring only</i> ) or MATH 3810	3
		ENGL 1310	3		INOV 2010	3
		MATH 2350	4		INOV 2100	3
	<b>TOTAL</b>	<b>19</b>		<b>TOTAL</b>	<b>16</b>	

<b>Year Three</b>	✓	<b>FALL</b>	<i>Hours</i>	✓	<b>SPRING</b>	<i>Hours</i>
		DASE 3030 or MGMT 3300	3		DASE 4460	3
		CS 3300	3		DASE Track Course	3
		DASE Track Course	3		INOV 3010	3
		Cross-Discipline Core Course	3		Cross-Discipline Core Course	3
		Basic Science Elective	4		Basic Science Elective	3
					PORT 3000	0
	<b>TOTAL</b>	<b>16</b>		<b>TOTAL</b>	<b>15</b>	

<b>Year Four</b>	✓	<b>FALL</b>	<i>Hours</i>	✓	<b>SPRING</b>	<i>Hours</i>
		ECE 4890	1		ECE 4899	3
		DASE Track Course	3		INOV 4500	3
		DASE Track Course	3		DASE Track Course	3
		INOV 4010	3		DASE Track Course	3
		Cross-Discipline Core Course	3		Cross-Discipline Core Course	3
		Cross-Discipline Core Course	3			
	<b>TOTAL</b>	<b>16</b>		<b>TOTAL</b>	<b>15</b>	