

ACADEMIC ADVISING

Partnering with students to successfully navigate college

Location: Main Hall 208

Phone: 719.255.3260

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

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Current UCCS Students

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

Prospective Students: 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
- 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"> • A minimum GPA of 2.0 must be maintained on all courses taken toward the major. <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	
DASE Required Track (18 hours) DASE students are required to pick one of the tracks listed as part of their degree program.	Data Analytics Track	Complete 18 credit hours from the courses listed below. DASE 3009, 4435, 4470, 4570, 4710, 4860	18
	Systems Engineering Track	Complete 18 credit hours from the courses listed below. DASE 3009, 4000, 4030, 4570, 4910, ECE 2205, 2610, 3003, 3210, MAE 2055, 3342, 3401, 4421, 4425	18
	General Track	Complete 9 hours from each of the Data Analytics and Systems Engineering Tracks above.	18
BI Innovation Core (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
BI Cross-Discipline Core (15 hours)	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: http://catalog.uccs.edu/ Business, Creative Communication, Globalization, Inclusive Education, or Custom (for Veterans and Transfer students only)		15

General Education and Elective Requirements

Core Writing Requirement (3 hours)	<ul style="list-style-type: none"> ENGL 1310, 1308, or 1305 (<i>Students choosing ENGL 1305 must complete ENGL 1300 first.</i>) PORT 3000 (0 Credits) – Writing Portfolio 		
Mathematics (21 hours)	<ul style="list-style-type: none"> MATH 1350 MATH 1360 MATH 2350 CS 2150 CS 2300 ECE 3610 or MATH 3810 		
Basic Science (11 hours)	<ul style="list-style-type: none"> PES 1110 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. 		
Compass Curriculum (3 hours) <ul style="list-style-type: none"> Explore and Navigate courses must be outside of the major requirements. Writing Intensive, Inclusiveness, and Sustainability courses can double count towards other requirements for the degree. 	Component	Course	
	Gateway	GPS 1010	
	Explore – Arts, Humanities and Cultures	INOV 1010 or INOV 1011 (included in BI Core)	
	Explore – Society, Behavior and Health	INOV 1000 or INOV 1001 (included in BI Core)	
	Explore – Physical and Natural World	PES 1110 (included in Basic Science requirement)	
	Navigate	INOV 3010 (included in BI Core)	
	Summit	INOV 4500 (included in BI Core)	
	Writing Intensive Courses (WIC)	<ul style="list-style-type: none"> INOV 2010 (included in BI Core) INOV 3010 (included in BI Core) 	
	Inclusiveness	INOV 1010 or INOV 1011 (included in BI Core)	
	Sustainability	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.**

Year One	✓	FALL	<i>Hours</i>	✓	SPRING	<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
		TOTAL	16		TOTAL	17

Year Two	✓	FALL	<i>Hours</i>	✓	SPRING	<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
	TOTAL	19		TOTAL	16	

Year Three	✓	FALL	<i>Hours</i>	✓	SPRING	<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
	TOTAL	16		TOTAL	15	

Year Four	✓	FALL	<i>Hours</i>	✓	SPRING	<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			
	TOTAL	16		TOTAL	15	