

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

Prospective Students: www.uccs.edu/admissions/contact

GENERAL ACADEMIC INFORMATION

Minimum Graduation Requirements

- 125 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 Computer Science: [Computer Science Home](http://www.uccs.edu/computer-science) | [College of Engineering and Applied Science \(uccs.edu\)](http://www.uccs.edu/college-engineering-and-applied-science)

Major Requirements			
Computer Security Core Courses (55 hours)	Course/Area	Course Title	Credit Hours
<p><i>You must be admitted into the College of Engineering in order to take any CS coursework.</i></p> <p><i>All required CS course work requires a grade of "C" or better.</i></p>	CS 1150	Principles of Computer Science	3
	CS 1450	Data Structures & Algorithms	3
	CS 2060	Programming in C	3
	CS 2080	Programming with UNIX	3
	CS 2160	Computer Org. & Assembly Language	3
	CS 3050	Social & Ethical Implications of Computing	1
	CS 3020, CS 3060, OR CS 3080	Advanced Object Technology Using C#/.NET Object Oriented Programming in C++ Python Programming	3
	CS 3300	Software Engineering	3
	CS 3910	System Administration & Security	3
	CS 4200	Computer Architecture I	3
	CS 4220	Computer Networks	3
	CS 4420	Database Systems I	3
	CS 4500	Operating Systems I	3
	CS 4910	Fundamentals of Computer/Network Security	3
	CS 4920	Applied Cryptography	3
	CS 4940	Ethical Hacking	3
	CS Electives	Complete 9 hours of electives from upper-division (3000+ level) CS, CYSM, INFS, MGMT, or PAD courses focused on security.	9
BI Innovation Core (24 hours)	Course/Area	Course Title	Credit Hours
	BLAW 2010	Business and Intellectual Property Law	3
	ENTP 1000	Introduction to Entrepreneurship	3
	ENTP 4500	Entrepreneurship and Strategy	3
	INOV 1010	The Innovation Process	3
	INOV 2010	Innovation Team: Analyze and Report	3
	INOV 2100	Technical Writing, Proposals, and Presentations	3
	INOV 3010	Innovation Team: Research and Execute	3
	INOV 4010	Innovation Team: Design and Lead	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 (13 hours)	<ul style="list-style-type: none"> MATH 1350 MATH 2150 CS 2300 or MATH 3130 CS 2020 or ECE 3610 or QUAN 2010 	
Basic Science (10 hours)	Complete 10 hours of basic science courses from the following: BIOL 1300, BIOL 1310, BIOL 1350, BIOL 1360, CHEM 1401, CHEM 1402, CHEM 1411, CHEM 1412, PES 1110, PES 1160, PES 1120, PES 2160	
Compass Curriculum (3 hours) <ul style="list-style-type: none"> Explore and Navigate courses must be outside major requirements Writing Intensive, Inclusiveness, and Sustainability courses can count towards other requirements within degree 	Component	Course
	Gateway	GPS 1010
	Explore – Arts, Humanities and Cultures	INOV 1010 (included in BI Core requirements)
	Explore – Society, Behavior and Health	ENTP 1000 (included in BI Core requirements)
	Explore – Physical and Natural World	Basic Science Course (included in Basic Science requirement)
	Navigate	INOV 3010 (included in BI Core requirements)
	Summit	ENTP 4500 (included in BI Core requirements)
	Writing Intensive Courses (WIC) <i>Two courses with one upper-division (3000+ level)</i>	1. INOV 2010 (included in BI Core requirements) 2. INOV 3010 (included in BI Core requirements)
	Inclusiveness	INOV 1010 (included in BI Core requirements)
	Sustainability	ENTP 1000 (included in BI Core requirements)
Open Electives (2 hours)	Complete any 2 hours of Elective coursework except Computer Science courses numbered below CS 1150, or Math courses numbered below MATH 1350.	

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
		CS 1150	3		CS 1450	3
		ENGL 1310	3		CS 2060	3
		ENTP 1000	3		INOV 1010	3
		GPS 1010	3		MATH 2150	3
		MATH 1350	4		Cross Discipline Core Course	3
		TOTAL	16		TOTAL	15

Year Two	✓	FALL	Hours	✓	SPRING	Hours
		BLAW 2010	3		CS 3060 or CS 3020 or CS 3080	3
		CS 2080	3		CS 3910	3
		CS 2160	3		INOV 2010	3
		CS 2300 or MATH 3130	3		INOV 2100	3
		CS 2020 or ECE 3610 or QUAN 2010	3		Cross Discipline Core Course	3
		Cross Discipline Core Course	3			
		TOTAL	18		TOTAL	15

Year Three	✓	FALL	Hours	✓	SPRING	Hours
		CS 3050	1		CS 3300	3
		CS 4910	3		CS 4200	3
		INOV 3010	3		CS 4220	3
		Computer Security Elective	3		Cross Discipline Core Course	3
		Basic Science w/Lab	5		Basic Science w/Lab	5
					PORT 3000	0
		TOTAL	15		TOTAL	17

Year Four	✓	FALL	Hours	✓	SPRING	Hours
		CS 4420	3		CS 4920	3
		CS 4500	3		ENTP 4500	3
		INOV 4010	3		Computer Security Elective	3
		Computer Security Elective	3		Cross Discipline Core Course	3
		CS 4940	3		Open Elective	2
		TOTAL	15		TOTAL	14