

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

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## 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](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 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)

Degree Requirements	Courses		
<b>Computer Science Core Courses</b> (49 hours)  <i>You must be admitted into the College of Engineering in order to take any CS coursework.</i>  <i>All CS courses require a grade of "C" or better.</i>	Complete all of the following courses:		
	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, <b>OR</b> CS 3080	Advanced Object Technology Using C#/.NET Object Oriented Programming in C++  Python Programming	3
	CS 3160	Concepts of Programming Languages	3
	CS 3300	Software Engineering	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 4720	Design & Analysis of Algorithms	3
	Computer Science Elective	Complete three hours of Computer Science courses numbered 4000-5999 that are not being used to fulfill another requirement.	3
	Computer Science Professional Electives	Complete 6 hours of upper-division Professional Electives. See degree audit for course options.	6
<b>BI Innovation Core</b> (24 hours)  <b>*NOTE:</b> ENTP 1001 and INOV 1011 may be taken as alternatives to these courses.	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
<b>BI Cross-Discipline Core</b> (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: <a href="http://catalog.uccs.edu/">http://catalog.uccs.edu/</a> <b>Business, Creative Comm, Globalization, Inclusive Education, or Custom (for Veterans and Transfers only)</b>		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>PORT 3000 (0 Credits) – Writing Portfolio</li> </ul>	
<b>Mathematics</b> (17 hours)	<ul style="list-style-type: none"> <li>MATH 1350</li> <li>MATH 1360</li> <li>CS 2020 or MATH 3810 or QUAN 2010</li> <li>CS 2150 or MATH 2150</li> <li>CS 2300 or MATH 3130</li> </ul>	
<b>Basic Science</b> (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	
<b>Compass Curriculum</b> (3 hours) <ul style="list-style-type: none"> <li>Explore and Navigate courses must be outside major 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>	INOV 1010 (included in BI Core requirements)
	<b>Explore – Society, Behavior and Health</b>	ENTP 1000 (included in BI Core requirements)
	<b>Explore – Physical and Natural World</b>	Basic Science Course (included in Basic Science requirement)
	<b>Navigate</b>	INOV 3010 (included in BI Core requirements)
	<b>Summit</b>	ENTP 4500 (included in BI Core requirements)
	<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 requirements)</li> <li>INOV 3010 (included in BI Core requirements)</li> </ul>
<b>General Electives</b> (4 hours)	<b>Inclusiveness</b>	INOV 1010 (included in BI Core requirements)
	<b>Sustainability</b>	ENTP 1000 (included in BI Core requirements)
Complete any 4 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 or 1001	3		INOV 1010 or 1011	3
		GPS 1010	3		MATH 1360	4
		MATH 1350	4		Cross Discipline Core Course	3
		<b>TOTAL</b>	16		<b>TOTAL</b>	16

Year Two	✓	FALL	Hours	✓	SPRING	Hours
		BLAW 2010	3		CS 3020, 3060, or 3080	3
		CS 2080	3		INOV 2010	3
		CS 2160	3		INOV 2100	3
		CS 2300 (Fall only)	3		CS 2150	3
		Basic Science Elective	5		Basic Science Elective	5
		<b>TOTAL</b>	17		<b>TOTAL</b>	17

Year Three	✓	FALL	Hours	✓	SPRING	Hours
		CS 2020	3		CS 3300	3
		CS 3160	3		CS 4220	3
		CS 4200	3		INOV 3010	3
		CS 4720	3		Cross Discipline Core Course	3
		Cross Discipline Core Course	3		Cross Discipline Core Course	3
					PORT 3000	0
		<b>TOTAL</b>	15		<b>TOTAL</b>	15

Year Four	✓	FALL	Hours	✓	SPRING	Hours
		CS 4420	3		CS 3050	1
		CS Elective (4000-5999)	3		CS 4500	3
		Professional Elective Course	3		Professional Elective Course	3
		INOV 4010	3		ENTP 4500	3
		General Elective	2		Cross Discipline Core Course	3
					General Elective	2
		<b>TOTAL</b>	14		<b>TOTAL</b>	15