

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)

Connect With Your Advisor

Current UCCS Students

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

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

GENERAL ACADEMIC INFORMATION

Minimum Graduation Requirements

- 120 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-of-engineering-and-applied-science)

Computer Science Requirements				
Computer Science Courses (35 hours)	Course/Area	Course Title	Credit Hours	
<ul style="list-style-type: none"> • You must be admitted into the College of Engineering in order to take any CS coursework. • All CS course work requires a grade of "C" or better. 	Computer Science Foundation Courses			
	CS 1120	Computational Thinking with Beginning Programming		3
	CS 1150	Principles of Computer Science		3
	CS 1450	Data Structures & Algorithms		3
	CS 2060	Programming with C		3
	CS 2080	Programming with UNIX		2
	CS 2160	Computer Organization & Assembly Language Programming		3
	CS 3020, CS 3060, OR 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	Introduction to Software Engineering		3
	Computer Science Core Course Electives <i>Choose 2 of the courses below.</i>			
	CS 4200	Computer Architecture I		3
	CS 4500	Operating Systems I		3
	CS 4720	Design & Analysis of Algorithms		3
Computer Science Capstone				
CS 4300	Advanced Software Engineering		3	
Computer Science Track (18 hours) <ul style="list-style-type: none"> • Students are required to complete one of the tracks listed. • Some tracks require additional advanced mathematics courses. Students should carefully check prerequisites when deciding on a track. 	Artificial Intelligence & Machine Learning	<i>Complete 6 courses from those listed below.</i> CS 3880, 4435, 4440, 4460, 4710, 4730, 4820, 4850, 4860, 4870, 4890	18	
	Cybersecurity	<i>Complete 6 courses from those listed below.</i> CS 2910, 3910, 4910, 4920, 4930, 4940, 4950, 4980	18	
	Game Development	<i>Complete the following courses:</i> CS 3350, GDD 2150, 3200 <i>Complete 3 courses from the following:</i> GDD 3100, 4000, 4400, 4500 NOTE: Students choosing this track should replace CS 1120 in the core with GDD 1100	18	
	General	<i>Complete 6 UNUSED CS courses in consultation with your faculty advisor. Only two courses can be below 4000-level.</i>	18	

General Education and Elective Requirements

Core Writing Requirement (6 hours)	<ul style="list-style-type: none"> ENGL 1310 ENGL 1310, 1308, or 1305 (<i>Students choosing ENGL 1305 must complete ENGL 1300 first.</i>) TCID 2090 PORT 3000 (0 Credits) – Writing Portfolio 																				
Mathematics (13 hours)	<ul style="list-style-type: none"> MATH 1040 OR MATH 1350 CS 2150 CS 2020 CS 2300 																				
Compass Curriculum (15 hours)	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 60%;">Component</th> <th style="width: 40%;">Course</th> </tr> </thead> <tbody> <tr> <td>Gateway</td> <td>GPS 1010</td> </tr> <tr> <td>Explore – Arts, Humanities and Cultures</td> <td>See Degree Audit</td> </tr> <tr> <td>Explore – Society, Behavior and Health</td> <td>See Degree Audit</td> </tr> <tr> <td>Explore – Physical and Natural World</td> <td>See Degree Audit</td> </tr> <tr> <td>Navigate</td> <td>See Degree Audit</td> </tr> <tr> <td>Summit</td> <td>CS 4300 (included in major requirements)</td> </tr> <tr> <td>Writing Intensive Courses (WIC) <i>Two courses with one upper-division (3000+ level)</i></td> <td>See Degree Audit</td> </tr> <tr> <td>Inclusiveness</td> <td>See Degree Audit</td> </tr> <tr> <td>Sustainability</td> <td>See Degree Audit</td> </tr> </tbody> </table>	Component	Course	Gateway	GPS 1010	Explore – Arts, Humanities and Cultures	See Degree Audit	Explore – Society, Behavior and Health	See Degree Audit	Explore – Physical and Natural World	See Degree Audit	Navigate	See Degree Audit	Summit	CS 4300 (included in major requirements)	Writing Intensive Courses (WIC) <i>Two courses with one upper-division (3000+ level)</i>	See Degree Audit	Inclusiveness	See Degree Audit	Sustainability	See Degree Audit
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General Electives (33 hours)	Complete 34 hours of open electives to fulfill the total and upper-division hours required for the 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.**

	✓	FALL	Hours	✓	SPRING	Hours
	Year One		CS 1120	3		CS 1150
		ENGL 1310	3		TCID 2090	3
		GPS 1010	3		Explore – Arts, Humanities & Cultures Course	3
		MATH 1040 OR MATH 1350	4		General Elective	3
		Explore – Society, Behavior & Health Course	3		General Elective	3
		TOTAL	16		TOTAL	15

	✓	FALL	Hours	✓	SPRING	Hours
	Year Two		CS 1450	3		CS 2060
		CS 2300	3		CS 2150	3
		Explore – Physical and Natural World	3		CS 2020	3
		General Elective	3		Track Elective	3
		General Elective	3		General Elective (<i>Writing Intensive</i>)	3
		TOTAL	15		TOTAL	15

	✓	FALL	Hours	✓	SPRING	Hours
	Year Three		CS 3020, CS 3060, OR CS 3080	3		CS 3160
		CS 2160	3		CS 3300	3
		General Elective (<i>Inclusiveness</i>)	3		Track Elective	3
		Track Elective	3		Navigate Course	3
		CS 2080	2		CS Core Course	3
					PORT 3000	0
	TOTAL	14		TOTAL	15	

	✓	FALL	Hours	✓	SPRING	Hours
	Year Four		CS Core Course	3		CS 4300
		Track Elective	3		Track Elective	3
		Track Elective	3		General Elective	3
		General Elective (<i>Sustainability</i>)	3		General Elective (<i>UD Writing Intensive</i>)	3
		Upper-Division (UD) General Elective	3		General Elective	3
		TOTAL	15		TOTAL	15