

ACADEMIC ADVISING

Partnering with students to successfully navigate college

Location: Main Hall 208

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

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

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

GENERAL ACADEMIC INFORMATION

Minimum Graduation Requirements

- 128 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 Engineering: [Bachelor of Science in Computer Engineering | College of Engineering and Applied Science \(uccs.edu\)](http://www.uccs.edu/bachelor-of-science-in-computer-engineering)

Major Requirements			
Computer Engineering Major (62 hours)	Course/Area	Course Title	Credit Hours
<ul style="list-style-type: none"> • Requires a minimum of 62 credit hours of Core course work, with an additional 9 hours of Technical Electives. • Requires a minimum of 42 credit hours of upper-division (3000-4999 level) course work. • A minimum GPA of 2.0 must be maintained on all courses taken in Computer Engineering. <p>*NOTE 1: A grade of "C" or better must be earned in courses marked with a single asterisk (*).</p> <p>**NOTE 2: ECE 1002 may be taken instead of 1001, but it will not fulfill a Writing Intensive course for Compass Curriculum.</p> <p><i>You must be admitted into the College of Engineering in order to take CS 1450 or any 2000-level or higher ECE or CS coursework.</i></p>	CS 1150*	Principles of Computer Science	3
	CS 1450*	Data Structures & Algorithms	3
	CS 2060	Programming with C	3
	CS 2080	Programming with UNIX	3
	CS 3060	Object Oriented Programming with C++	3
	CS 3300	Software Engineering	3
	CS 4500	Operating Systems	3
	CS 4720	Design & Analysis of Algorithms	3
	ECE 1001 or ECE 1002**	Intro to Robotics	3
	ECE 1411*	Logic Circuits I	2
	ECE 1421*	Logic Circuits Laboratory I	1
	ECE 2205	Circuits and Systems I	4
	ECE 2411*	Logic Circuits II	3
	ECE 2610*	Intro to Signals and Systems	4
	ECE 3210	Electronics I	3
	ECE 3420	Microprocessor Systems Lab	1
	ECE 3430	Intro to Microcomputer Systems	3
	ECE 3440	Microcomputer Systems Lab	1
	ECE 4242	Advanced Digital Design Methods	3
	ECE 4330	Embedded System Design	3
ECE 4480	Computer Architecture & Design	3	
ECE 4891	Senior Seminar	1	
ECE 4899	Senior Design Project	3	
ECE Exit Interview	<i>Complete the ECE Exit Interview with the Chair of the ECE department during the final semester of course work. Contact the ECE department office for more information.</i>		0
ECE or CS Electives (9 hours)	Complete 9 credit hours of unused upper-division ECE courses (3000- or 4000-level) or choose from the list below: CS 3010, 3020, 3160, 3350, 4100, 4220, 4420, 4600, 4700, 4800, 4820, MATH 3130		9
	NOTE: Additional 4000-level courses in CS, MAE, MATH and PES may be accepted with approval prior to taking the course.		

General Education and Elective Requirements

Core Writing Requirement (6 hours)	<ul style="list-style-type: none"> ENGL 1310, 1308, or 1305 (<i>Students choosing ENGL 1305 must complete ENGL 1300 first.</i>) TCID 2090 Writing Portfolio – PORT 3000 (0 credits) or PORT 4000 (1 credit) or alternative – See Degree Audit 	
Mathematics (21 hours)	<ul style="list-style-type: none"> MATH 1350 MATH 1360 MATH 2150 or CS 2150 MATH 2350 MATH 3400 ECE 3610 	
Basic Science (12 hours)	<ul style="list-style-type: none"> PES 1110 PES 1120 PES 1160 3 hours from: CHEM 1401, 1402, 1411, 1412, or any additional PES course with a PES 1110 prerequisite. 	
Humanities/Social Science Electives (15 hours)	See degree audit for course options.	
Compass Curriculum (0 hours) <ul style="list-style-type: none"> Explore and Navigate courses must be taken in departments other than the major. Writing Intensive, Inclusiveness, and Sustainability courses may count toward other requirements within the degree. 	Component	Course
	Gateway Program Seminar	GPS 1010 (counts towards HUM/SS Electives)
	Explore – Arts, Humanities and Cultures	See Degree Audit (counts towards HUM/SS Electives)
	Explore – Society, Behavior and Health	See Degree Audit (counts towards HUM/SS Electives)
	Explore – Physical and Natural World	PES 1110 (included in Basic Science requirement)
	Navigate	See Degree Audit (can count towards HUM/SS Electives)
	Summit	ECE 4891/4899 (included in major requirements)
	Writing Intensive Courses (WIC) <i>Two courses with one upper-division (3000+ level)</i>	<ul style="list-style-type: none"> ECE 1001 ECE 3610
	Inclusiveness	See Degree Audit (can count towards HUM/SS Electives)
Sustainability	See Degree Audit (can count towards HUM/SS Electives)	
Open Electives (3 hours)	Complete 3 hours of open electives from any discipline. <i>May not include MATH 1040, 1050 or 1120.</i>	

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
		ECE 1001 (<i>Writing Intensive</i>) or 1002	3		CS 2060	3
		ECE 1411	2		PES 1110	4
		ECE 1421	1		PES 1160	1
		MATH 1350	4		MATH 1360	4
		GPS 1010 (<i>Hum/SS elective</i>)	3			
		TOTAL	16		TOTAL	15

Year Two	✓	FALL	Hours	✓	SPRING	Hours
			CS 2080	3		CS 3060
		ECE 2411	3		ECE 2205	4
		ECE 2610	4		MATH 3400	3
		MATH 2350	4		PES 1120	4
		ENGL 1310	3		TCID 2090	3
		TOTAL	17		TOTAL	17

Year Three	✓	FALL	Hours	✓	SPRING	Hours
			ECE 3210	3		CS 3300
		ECE 3420	1		ECE 3440	1
		ECE 3430	3		ECE 3610 (<i>Writing Intensive</i>)	3
		ECE 4242	3		ECE 4480	3
		MATH 2150	3		Basic Science Elective	3
		Explore – Arts, Humanities & Cultures (<i>Hum/SS elective</i>)	3		Explore – Society, Behavior, and Health (<i>Hum/SS elective</i>)	3
					PORT 3000	0
		TOTAL	16		TOTAL	16

Year Four	✓	FALL	Hours	✓	SPRING	Hours
			CS 4500	3		ECE 4899 (<i>Summit Course</i>)
		CS 4720	3		ECE or CS Elective	3
		ECE 4330	3		ECE or CS Elective	3
		ECE 4891 (<i>Summit Course</i>)	1		HUM/SS Elective (<i>Inclusiveness</i>)	3
		ECE or CS Elective	3		Open Elective (<i>Navigate</i>)	3
		HUM/SS Elective (<i>Sustainability</i>)	3		ECE Exit Interview	0
		TOTAL	16		TOTAL	15