

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

Major Requirements			
Electrical Engineering Core Courses (46 hours)	Course/Area	Course Title	Credit Hours
<ul style="list-style-type: none"> • Requires a minimum of 46 credit hours of Core course work, with an additional 22 hours of ECE electives. • Requires a minimum of 48 credit hours of upper-division (3000-4999 level) course work. • A minimum GPA of 2.0 must be maintained on all courses taken in Electrical 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 any 2000-level or higher ECE coursework.</i></p>	ECE 1001 or ECE 1002**	Intro to Robotics	3
	ECE 1411*	Logic Circuits I	2
	ECE 1421*	Logic Circuits Laboratory I	1
	ECE 2021	Computer Based Modeling in C	3
	ECE 2205	Circuits and Systems I	4
	ECE 2411*	Logic Circuits II	3
	ECE 2610*	Intro to Signals and Systems	4
	ECE 3020	Semiconductor Devices	3
	ECE 3110	Electromagnetic Fields I	3
	ECE 3205	Circuits and Systems II	4
	ECE 3210	Electronics I	3
	ECE 3220	Electronics II	3
	ECE 3230	Electronics Lab I	1
	ECE 3240	Electronics Lab II	1
	ECE 3420	Microprocessor Systems Lab	1
	ECE 3430	Intro to Microcomputer Systems	3
	ECE 4890	Senior Seminar (<i>Must be taken semester prior to ECE 4898</i>)	1
ECE 4898	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
Electrical Engineering Electives (22 hours)	ECE Electives - Lectures	<i>Complete 12 hours from the following courses:</i> ECE 3120, 4020, 4162, 4242, 4340, 4480, 4510, 4625, 4650, 4910	12
	ECE Electives - Labs	<i>Complete 2 hours from the following courses:</i> ECE 3440, 4040, 4150, 4160, 4200, 4530, 4560, 4670, 4680	2
	ECE Electives - Additional	Complete an additional 8 hours of upper-division (3000+ level) ECE courses. Students must complete all prerequisites for the electives. NOTE: Up to 6 credit hours of BIOL, CHEM, CS, MAE, MATH and PES courses numbered 3000-level or higher may be accepted with a petition completed prior to taking the course (except MATH 3010, 3020, and 3810).	8

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 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 2350 MATH 3400 MATH elective numbered 3110 or higher (except MATH 3810) ECE 3610 	
Basic Science (15 hours)	<ul style="list-style-type: none"> PES 1110 PES 1120 PES 1160 PES 2130 ECE 2050 	
Humanities/Social Science Electives (15 hours)	See the 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	GPS 1010
	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 4890/4898 (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 (included in major requirements) ECE 3610 (included in math requirements)
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
			ECE 1001 (<i>Writing Intensive</i>) or 1002	3		ECE 2021
		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		ENGL 1310	3
		Explore – Society, Behavior & Health Course (<i>Hum/SS elective</i>)	3		Explore – Arts, Humanities & Cultures (<i>Hum/SS elective</i>)	3
		TOTAL	16		TOTAL	18

Year Two	✓	FALL	Hours	✓	SPRING	Hours
			ECE 2610	4		ECE 2050
		MATH 2350	4		ECE 2205	4
		PES 1120	4		ECE 2411	3
		TCID 2090	3		PES 2130	3
		HUM/SS Elective (<i>Sustainability</i>)	3		MATH 3400	3
		TOTAL	18		TOTAL	16

Year Three	✓	FALL	Hours	✓	SPRING	Hours
			ECE 3020	3		ECE 3110
		ECE 3205	4		ECE 3220	3
		ECE 3210	3		ECE 3240	1
		ECE 3230	1		ECE 3610 (<i>Writing Intensive</i>)	3
		ECE 3420	1		ECE Elective - Lecture	3
		ECE 3430	3		ECE Elective - Lab	1
		PORT 3000	0		ECE Elective - Additional	3
		TOTAL	15		TOTAL	17

Year Four	✓	FALL	Hours	✓	SPRING	Hours
			ECE 4890 (<i>Summit Course</i>)	1		ECE 4898 (<i>Summit Course</i>)
		ECE Elective - Lecture	3		ECE Elective - Lecture	3
		ECE Elective - Lab	1		ECE Elective - Lecture	3
		ECE Elective - Additional	2		ECE Elective - Additional	3
		MATH Elective (3110+)	3		HUM/SS Elective (<i>Inclusiveness</i>)	3
		Open Elective (<i>Navigate</i>)	3		ECE Exit Interview	0
		TOTAL	16		TOTAL	15