

ACADEMIC ADVISING

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Location: Main Hall 208

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

Major Requirements			
Electrical Engineering Core Courses (68 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 an 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	3
	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 PORT 3000 (0 Credits) – Writing Portfolio 	
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 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	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 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.**

	✓	FALL	Hours	✓	SPRING	Hours
	Year One		ECE 1001 (<i>Writing Intensive</i>) or 1002	3		ECE 2021
		ECE 1411	3		MATH 1360	4
		MATH 1350	4		ENGL 1310	3
		GPS 1010 (<i>Hum/SS elective</i>)	3		PES 1110	4
		Explore – Society, Behavior & Health Course (<i>Hum/SS elective</i>)	3		PES 1160	1
		TOTAL	16		TOTAL	15
Year Two	✓	FALL	Hours	✓	SPRING	Hours
		ECE 2610	4		ECE 2050	3
		MATH 2350	4		ECE 2205	4
		PES 1120	4		ECE 2411	3
		TCID 2090	3		PES 2130	3
		Explore – Arts, Humanities & Cultures (<i>Hum/SS elective</i>)	3		MATH 3400	3
	TOTAL	18		TOTAL	16	
Year Three	✓	FALL	Hours	✓	SPRING	Hours
		ECE 3020	3		ECE 3110	3
		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>)	3
		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
		HUM/SS Elective (<i>Sustainability</i>)	3			
	TOTAL	16		TOTAL	15	