

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)

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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 Engineering Education: [Bachelor of Science in Engineering Education](http://www.uccs.edu/bachelor-of-science-in-engineering-education) | [Bachelor of Science in Engineering Education \(uccs.edu\)](http://www.uccs.edu/bachelor-of-science-in-engineering-education)

Major Requirements			
B.S. Engineering Education Core Courses (22-24 hours) • Requires a minimum of 22-24 credit hours of Engineering course work. • A minimum overall 2.0 GPA must be maintained on all Engineering Core Courses. • Any EAS course that is NOT listed as an Introductory or Capstone course may be used toward the Foundations requirement. • Prerequisites are strictly enforced. Plan course sequences accordingly using open electives to take prerequisites when necessary. • You must be admitted into the College of Engineering in order to take any CS, MAE, ECE, or ENGR coursework.	Course/Area	Course Title	Credit Hours
	MAE 1503	Introduction to Engineering Design	3
	MAE 2200	Materials Engineering	3
	ECE 3610	Engineering Probability and Statistics	3
	Introductory Course	Complete one additional introductory course from the following: CS 1120, 1150, ECE 1001, 1021, MAE 1502	3
	Engineering Foundations	Complete 6 hours of Engineering Foundation courses from the following: CS 1450, 2060, 2160, 3020, ECE 1411, 2205, 2411, 2610, MAE 2103, 2104, 2301	6
	Engineering Capstone – Complete a minimum of 4 hours of ENGR courses from one of the following options.		
	Computer Science: ENGR 3300 AND ENGR 4010	Software Engineering I AND Computer Science Education Seminar	6
	Mechanical Eng: ENGR 4510 AND ENGR 4511 Plus (optional) MAE 4000	Engineering Design I AND Engineering Design II PLUS Mechanical and Aerospace Engineering Seminar (optional)	5-6
Electrical Eng: ENGR 4890 AND ENGR 4899	Senior Seminar AND Senior Design Project	4	
Secondary Education - STEM Courses (37 hours) • Requires a minimum of 37 credit hours of required Education course work with grades of “B-” or better. *NOTE: UTED 1030 should be the first Education course taken in the sequence.	UTED 1030*	Inquiry Approaches and Lesson Plan Design for Secondary Math and Science	3
	EDUC 1000	Intro to Inclusive Education	3
	EDUC 2000	Intro to Educational Psychology	3
	EDUC 2700	Schools, Society, & Diversity	3
	EDUC 3800	ESL for Educators	3
	UTED 3020	Classroom Interactions (<i>spring only</i>)	3
	UTED 4710	Project-Based Instruction	4
	UTED 4720	Reading in the Content Area	3
	EDUC 4950	Secondary – Student Teaching	12

General Education and Elective Requirements

Core Writing Requirement (6 hours)	- 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) NOTE: Math courses require a grade of C or better to progress through the Math sequence.	- MATH 1350 - MATH 1360 - MATH 2150 - MATH 2350 - MATH 3130 - MATH 3210																				
Basic Science (23-24 hours)	- BIOL 1300/1310 AND BIOL 1350/1360 - CHEM 1401/1402 - ENSC 1600 - GEOL 1010 OR PES 1050 - PES 1110																				
Compass Curriculum (6 hours) - 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.	<table> <tr> <th>Component</th><th>Course</th></tr> <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>UTED 1030 (included in Secondary Education reqs.)</td></tr> <tr> <td>Explore – Physical and Natural World</td><td>PES 1110 (included in Basic Science requirements)</td></tr> <tr> <td>Navigate</td><td>See Degree Audit</td></tr> <tr> <td>Summit</td><td>EDUC 4950 (included in Secondary Education reqs.)</td></tr> <tr> <td>Writing Intensive Courses (WIC) <i>Two courses with one upper-division (3000+ level)</i></td><td> - UTED 4720 (included in Secondary Education reqs.) - ECE 3610 (included in Engineering Core requirements) </td></tr> <tr> <td>Inclusiveness</td><td>MAE 1503 (included in Engineering Core requirements)</td></tr> <tr> <td>Sustainability</td><td>ENSC 1600 (included in Basic Science requirements)</td></tr> </table>	Component	Course	Gateway	GPS 1010	Explore – Arts, Humanities and Cultures	See Degree Audit	Explore – Society, Behavior and Health	UTED 1030 (included in Secondary Education reqs.)	Explore – Physical and Natural World	PES 1110 (included in Basic Science requirements)	Navigate	See Degree Audit	Summit	EDUC 4950 (included in Secondary Education reqs.)	Writing Intensive Courses (WIC) <i>Two courses with one upper-division (3000+ level)</i>	- UTED 4720 (included in Secondary Education reqs.) - ECE 3610 (included in Engineering Core requirements)	Inclusiveness	MAE 1503 (included in Engineering Core requirements)	Sustainability	ENSC 1600 (included in Basic Science requirements)
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Open Electives (10-12 hours)	Complete additional courses to fulfill total minimum hours for the degree program. Math courses below MATH 1350 may not count toward the degree. Only 3 credit hours of CS course work numbered below CS 1150 may count.																				

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
		ENGL 1310	3		MAE 1503	3
		GPS 1010	3		MATH 1360	4
		MATH 1350	4		PES 1110	4
		Engineering Intro Course	3		EDUC 2000	3
		UTED 1030	3		Open Elective	3
		TOTAL	16		TOTAL	17

Year Two	✓	FALL	Hours	✓	SPRING	Hours
		CHEM 1401/1402	5		TCID 2090	3
		MATH 2350	4		ECE 3610 (<i>spring only</i>)	3
		ENSC 1600	3		MAE 2200	3
		EDUC 1000	3		EDUC 2700	3
		Engineering Foundation Course	3		Engineering Foundation Course	3
					Explore – Arts, Humanities & Cultures Course	3
		TOTAL	18		TOTAL	18

Year Three	✓	FALL	Hours	✓	SPRING	Hours
		Engineering Capstone Course	1-3		Engineering Capstone Course	3
		GEOL 1010 OR PES 1050	3-4		BIOL 1300/1310	4
		MATH 2150	3		MATH 3130	3
		UTED 4720	3		UTED 3020 (<i>spring only</i>)	3
		EDUC 3800	3		Open Elective (<i>Navigate</i>)	3
		Open Elective ¹	1-3			
		TOTAL	17		TOTAL	16

Year Four	✓	FALL	Hours	✓	SPRING	Hours
		BIOL 1350/1360	4		EDUC 4950	12
		MATH 3210	3			
		UTED 4710	4			
		Open Elective	3			
		TOTAL	14		TOTAL	12

¹ Dependent on ENGR Capstone and GEOL 1010 or PES 1050 choices.