

ACADEMIC ADVISING

Partnering with students to successfully navigate college

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GENERAL ACADEMIC INFORMATION

Minimum Graduation Requirements

- 128 credit hours
- 45 upper-division credit hours (3000-4999 level)
- 2.0 CU cumulative GPA
- Residency: At least 30 credit hours of the degree must be completed while registered in the College of Letters, Arts, and Sciences 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 Physics: [B.S. in Physics | Department of Physics & Energy Science \(uccs.edu\)](http://www.uccs.edu/physics)

Major Requirements			
Physics Major (40 hours)	Course/Area	Course Title	Credit Hours
• Requires a minimum of 40 credit hours of ASTR and PES course work, and an additional 30 hours of auxiliary coursework. • Requires a minimum of 21 credit hours of upper-division (3000+ level) PES course work. • All PES courses must have a grade of "C" or better. • All auxiliary requirements must be completed in addition to the required major courses and must have a grade of "C-" or better.	ASTR 1050	Astronomy of the Solar System	3
	ASTR 1060	Astronomy of the Universe	3
	PES 1110	General Physics I	4
	PES 1120	General Physics II	4
	PES 1160	Advanced Physics Lab I	1
	PES 2130	General Physics III	3
	PES 2160	Advanced Physics Lab II	1
	PES 3130	Modern Physics	3
	PES 3170	Instrumentation Laboratory I	2
	PES 3180	Instrumentation Laboratory II	2
	PES 3210	Classical Mechanics	3
	PES 4810	Senior Physics Seminar	2
	Electives	Complete 9 hours of upper-division (3000+ level) PES courses.	9
	Auxiliary Requirements		
	BIOL 1300/1310	General Biology: Organismic Biology and Lab	4
	BIOL 1350/1360	General Biology: Intro to the Cell and Lab	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.	CHEM 1401/1402	General Chemistry I and Lab	5
	CHEM 1411/1412	General Chemistry I and Lab	5
	MATH 1350	Calculus I	4
	MATH 1360	Calculus II	4
	MATH 2350	Calculus III	4
	Education Core Courses		
	UTED 1030*	Inquiry Approaches/Lesson Plan Design for Secondary Math/Science Teaching	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	3
	UTED 4710	Project-Based Instruction (spring only)	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>) - ENGL 1410 - Writing Portfolio – PORT 3000 (0 credits) or PORT 4000 (1 credit) or alternative – See Degree Audit	
Reasoning Skills	- MATH 1350 (included in auxiliary requirements) - UTLS 3040 (included in UCCS Teach requirements)	
Core Humanities (3 hours)	- HUM 3990 - This course also fulfills Navigate and one Writing Intensive course.	
Natural Sciences Lab	CHEM 1402 (included in auxiliary requirements)	
Oral Communication	UTED 4730 (<i>Apprentice Teaching</i>)	
LAS Language other than English Requirement	Complete two semesters of a language other than English equivalent to 1010 & 1020 with high school, transfer, placement exam, or UCCS coursework. <i>Courses taken to fulfill this requirement may also count toward Compass Curriculum Explore - Arts, Humanities and Cultures or general electives. See degree audit for details.</i>	
Compass Curriculum (12 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.	Component	Course
	Gateway	GPS 1010
	Explore – Arts, Humanities and Cultures (2 courses)	See Degree Audit
	Explore – Society, Behavior and Health (2 courses)	- UTED 1030 (included in UCCS Teach requirements) - See Degree Audit
	Explore – Physical and Natural World (2 courses)	- BIOL 1350 (included in auxiliary requirements) - CHEM 1401 (included in auxiliary requirements)
	Navigate	HUM 3990 (included in LAS area requirements)
	Summit	UTED 4730 (included in UCCS Teach requirements)
	Writing Intensive Courses (WIC) (2 courses)	- HUM 3990 (included in LAS area requirements) - UTED 4720 (included in UCCS Teach requirements)
	Inclusiveness (2 courses: 1 Global and 1 Local)	See Degree Audit
	Sustainability	See Degree Audit

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		ENGL 1410	3
		PES 1110/1160	5		PES 1120/2160	5
		MATH 1350	4		MATH 1360	4
		UTED 1030	3		EDUC 2000	3
		GPS 1010	3		Explore – Society, Behavior and Health (<i>Inclusiveness</i>)	3
		TOTAL	18		TOTAL	18

Year Two	✓	FALL	Hours	✓	SPRING	Hours
		PES 2130	3		PES 3130	3
		CHEM 1401/1402	5		CHEM 1411/1412	5
		MATH 2350	4		ASTR 1060	3
		ASTR 1050	3		EDUC 2700	3
		EDUC 1000	3		UTED 3020 (<i>spring only</i>)	3
		TOTAL	18		TOTAL	17

Year Three	✓	FALL	Hours	✓	SPRING	Hours
		PES 3170	2		PES 3180	2
		Upper-Division (UD) PES Elective	3		PES 3210	3
		EDUC 3800	3		UD PES Elective	3
		BIOL 1300/1310	4		UTED 4710	4
		Explore – Arts, Humanities & Cultures (<i>Inclusiveness</i>)	3		BIOL 1350/1360	4
		TOTAL	15		TOTAL	16

Year Four	✓	FALL	Hours	✓	SPRING	Hours
		PES 4810	2		EDUC 4950	12
		UD PES Elective	3			
		UTED 4720	3			
		HUM 3990	3			
		Explore – Arts, Humanities & Cultures (<i>Sustainability</i>)	3			
		TOTAL	14		TOTAL	12

NOTE: Students must complete all course requirements other than UTED 4730 before the final semester.