

ACADEMIC ADVISING

Partnering with students to successfully navigate college

Location: Main Hall 208

Phone: 719.255.3260

Website: www.uccs.edu/advising

Connect With Your Advisor

Current UCCS Students

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

- Drop In Advising: Most Wednesdays, 1:00pm - 4:00pm

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

GENERAL ACADEMIC INFORMATION

Minimum Graduation Requirements

- 120 credit hours
- 45 upper-division credit hours (3000-4999 level)
- 2.0 CU cumulative GPA
- Residency: Last 30 credit hours of 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://B.S.inPhysics|DepartmentofPhysics&EnergyScience(uccs.edu))

Major Requirements				
Physics Major (40 hours)	Course/Area	Course Title	Credit Hours	
The Physics major requires a minimum of 40 credit hours of PES course work and 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.	PES 1050	General Astronomy I	3	
	PES 1060	General Astronomy II	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	
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	
UCCS Teach Courses (33 hours)	UTED 1030	Inquiry Approaches/Lesson Plan Design for Secondary Math/Science Teaching	3	
A grade of "B-" or better must be earned in all Education courses. Courses should be taken in the appropriate semester. See the four-year plan for details.	UTED 2010	Knowing and Learning in Mathematics and Science	3	
	UTED 3020	Classroom Interactions	3	
	UTED 4710	Project-Based Instruction	3	
	UTED 4720	Reading in the Content Area	3	
	UTED 4730	Apprentice Teaching UCCS Teach and Seminar	12	
	UTLS 3030	Perspectives on Science and Math	3	
	UTLS 3040	Science Research Methods	3	

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>) ENGL 1410 PORT 3000 (0 Credits) – Writing Portfolio 																				
Reasoning Skills (7 hours)	<ul style="list-style-type: none"> MATH 1350 (included in auxiliary requirements) UTLS 3040 (included in UCCS Teach requirements) 																				
Area Requirements (22 hours)	<ul style="list-style-type: none"> Humanities – 9 credit hours of which 3 credits must be HUM 3990. Social Sciences – 9 credit hours Natural Sciences – CHEM 1401/1402 & CHEM 1411/1412 (included in auxiliary requirements), and GEOL 1010 <p>NOTE: Cannot select courses from primary major courses for area requirements.</p>																				
Oral Communication, Cultural Diversity, and Global Awareness Requirements	One course from each list (see degree audit). <i>All courses that fulfill these requirements may also count towards other general education or major requirements.</i>																				
Compass Curriculum (9 hours)	<table border="1"> <thead> <tr> <th>Component</th> <th>Course</th> </tr> </thead> <tbody> <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>See Degree Audit</td> </tr> <tr> <td>Explore – Physical and Natural World</td> <td>BIOL 1350 (included in auxiliary requirements)</td> </tr> <tr> <td>Navigate</td> <td>HUM 3990 (included in LAS area requirements)</td> </tr> <tr> <td>Summit</td> <td>PES 4810 (included in major requirements)</td> </tr> <tr> <td>Writing Intensive Courses (WIC) <i>Two courses with one upper-division (3000+ level)</i></td> <td> <ul style="list-style-type: none"> HUM 3990 (included in LAS area requirements) See Degree Audit </td> </tr> <tr> <td>Inclusiveness</td> <td>See Degree Audit</td> </tr> <tr> <td>Sustainability</td> <td>See Degree Audit</td> </tr> </tbody> </table>	Component	Course	Gateway	GPS 1010	Explore – Arts, Humanities and Cultures	See Degree Audit	Explore – Society, Behavior and Health	See Degree Audit	Explore – Physical and Natural World	BIOL 1350 (included in auxiliary requirements)	Navigate	HUM 3990 (included in LAS area requirements)	Summit	PES 4810 (included in major requirements)	Writing Intensive Courses (WIC) <i>Two courses with one upper-division (3000+ level)</i>	<ul style="list-style-type: none"> HUM 3990 (included in LAS area requirements) See Degree Audit 	Inclusiveness	See Degree Audit	Sustainability	See Degree Audit
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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
		PES 1110/1160	5		PES 1120/2160	5
		GPS 1010	3		Explore – Arts, Humanities & Cultures Course	3
		MATH 1350	4		MATH 1360	4
		Social Science Elective	3		UTED 1030	3
		TOTAL	18		TOTAL	18

Year Two	✓	FALL	Hours	✓	SPRING	Hours
			PES 2130	3		PES 3130
		CHEM 1401/1402	5		CHEM 1411/1412	5
		MATH 2350	4		GEOL 1010	4
		PES 1050	3		PES 1060	3
		UTED 2010	3		UTED 3020	3
		TOTAL	18		TOTAL	18

Year Three	✓	FALL	Hours	✓	SPRING	Hours
			PES 3170	2		PES 3180
		UTLS 3040 (Fall Only)	3		PES 3210	3
		UTED 4720 (Fall Only)	3		UTLS 3030 (Spring Only)	3
		BIOL 1300/1310	4		BIOL 1350/1360	4
		HUM 3990	3		Upper-Division (UD) PES Elective	3
		Explore – Society, Behavior & Health Course	3		Social Science Elective	3
		TOTAL	18		TOTAL	18

Year Four	✓	FALL	Hours	✓	SPRING	Hours
			PES 4810	2		UTED 4730
		UD Physics Elective	3		Humanities Elective*	3
		UD Physics Elective	3			
		UTED 4710	3			
		Humanities Elective	3			
		Social Science Elective	3			
		TOTAL	17		TOTAL	12/3

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

* The Humanities Electives listed in the final semester should be taken either in summer prior to senior year or Winterim.