

## 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)

### Connect With Your Advisor

Current UCCS Students

- Appointments: [www.uccs.edu/advising/current-students](http://www.uccs.edu/advising/current-students)

Prospective Students: [www.uccs.edu/admissions/contact](http://www.uccs.edu/admissions/contact)

## GENERAL ACADEMIC INFORMATION

### Minimum Graduation Requirements

- 133 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](http://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/department-of-physics-energy-science)

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 an additional 30 hours of auxiliary course work.	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	<i>Complete 9 hours of upper-division (3000+ level) PES courses.</i>	
Requires a minimum of 21 credit hours of upper-division (3000+ level) PES course work.	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
All PES courses must have a grade of "C" or better.			
	UCCS Teach Courses (33 hours)		
	UTED 1030	Inquiry Approaches/Lesson Plan Design for Secondary Math/Science Teaching	3
	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
All auxiliary requirements must be completed in addition to the required major courses.	UTLS 3030	Perspectives on Science and Math	3
	UTLS 3040	Science Research Methods	3
Courses should be taken in the appropriate semester. See the four-year plan for details.			

**General Education and Elective Requirements**

<b>Core Writing Requirement</b> (6 hours)	<ul style="list-style-type: none"> <li>ENGL 1310, 1308, or 1305 (<i>Students choosing ENGL 1305 must complete ENGL 1300 first.</i>)</li> <li>ENGL 1410</li> <li>PORT 3000 (0 Credits) – Writing Portfolio</li> </ul>																				
<b>Reasoning Skills</b>	<ul style="list-style-type: none"> <li>MATH 1350 (included in auxiliary requirements)</li> <li>UTLS 3040 (included in UCCS Teach requirements)</li> </ul>																				
<b>Area Requirements</b> (18 hours)	<ul style="list-style-type: none"> <li>Humanities – 9 credit hours of which 3 credits must be HUM 3990.</li> <li>Social Sciences – 9 credit hours</li> <li>Natural Sciences – CHEM 1401/1402 &amp; CHEM 1411/1412 (included in auxiliary requirements), and <del>GEOL 1010</del></li> </ul> <p><b>NOTE:</b> Cannot select courses from primary major courses for area requirements.</p>																				
<b>Oral Communication, Cultural Diversity, and Global Awareness Requirements</b>	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>																				
<b>Compass Curriculum</b> (6 hours)	<table border="1"> <thead> <tr> <th>Component</th> <th>Course</th> </tr> </thead> <tbody> <tr> <td><b>Gateway</b></td> <td>GPS 1010</td> </tr> <tr> <td><b>Explore – Arts, Humanities and Cultures</b></td> <td>See Degree Audit</td> </tr> <tr> <td><b>Explore – Society, Behavior and Health</b></td> <td>UTED 1030</td> </tr> <tr> <td><b>Explore – Physical and Natural World</b></td> <td>BIOL 1350 (included in auxiliary requirements)</td> </tr> <tr> <td><b>Navigate</b></td> <td>HUM 3990 (included in LAS area requirements)</td> </tr> <tr> <td><b>Summit</b></td> <td>PES 4810 (included in major requirements)</td> </tr> <tr> <td><b>Writing Intensive Courses (WIC)</b> <i>Two courses with one upper-division (3000+ level)</i></td> <td> <ul style="list-style-type: none"> <li>HUM 3990 (included in LAS area requirements)</li> <li>See Degree Audit</li> </ul> </td> </tr> <tr> <td><b>Inclusiveness</b></td> <td>See Degree Audit</td> </tr> <tr> <td><b>Sustainability</b></td> <td>See Degree Audit</td> </tr> </tbody> </table>	Component	Course	<b>Gateway</b>	GPS 1010	<b>Explore – Arts, Humanities and Cultures</b>	See Degree Audit	<b>Explore – Society, Behavior and Health</b>	UTED 1030	<b>Explore – Physical and Natural World</b>	BIOL 1350 (included in auxiliary requirements)	<b>Navigate</b>	HUM 3990 (included in LAS area requirements)	<b>Summit</b>	PES 4810 (included in major requirements)	<b>Writing Intensive Courses (WIC)</b> <i>Two courses with one upper-division (3000+ level)</i>	<ul style="list-style-type: none"> <li>HUM 3990 (included in LAS area requirements)</li> <li>See Degree Audit</li> </ul>	<b>Inclusiveness</b>	See Degree Audit	<b>Sustainability</b>	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		MATH 1360	4
		MATH 1350	4		UTED 1030	3
		<b>TOTAL</b>	15		<b>TOTAL</b>	15

Year Two	✓	FALL	Hours	✓	SPRING	Hours
			PES 2130	3		PES 3130
		CHEM 1401/1402	5		CHEM 1411/1412	5
		MATH 2350	4		PES 1060	3
		PES 1050	3		UTED 3020	3
		UTED 2010	3		Social Science Elective ( <i>Global Awareness/Inclusiveness</i> )	3
		<b>TOTAL</b>	18		<b>TOTAL</b>	17

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 – Arts, Humanities & Cultures Course	3		Social Science Elective ( <i>Sustainability</i> )	3
		<b>TOTAL</b>	18		<b>TOTAL</b>	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 ( <i>Cultural Diversity</i> )	3			
		<b>TOTAL</b>	17		<b>TOTAL</b>	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.