

**All new physics majors must see Dr. Burkhart for initial academic advising as soon as possible*

1-800-990-UCCS www.uccs.edu



University of Colorado
Colorado Springs

**College of Letters, Arts and Sciences
Physics, Secondary Teaching Option**

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- This program includes both LAS requirements for graduation and Colorado requirements for secondary (7-12) teachers.
- While this option prepares the student for teaching, it does not prepare for a professional science career.

Physics Major, Secondary Teaching Option

Credits

One of the following:	3
PES 1050 General Astronomy I	
PES 1060 General Astronomy II	
PES 1110 and 116 General Physics I and Lab	5
PES 1120 General Physics II	4
PES 2130 General Physics III	3
PES 3130 Modern Physics	3
PES 4170 Optics Lab	2
Upper-division Physics electives	9
PES 4810 Senior Physics Seminar	2

General Education Requirements**

**Students are required as part of their general education requirements to complete courses in Oral Communication, Cultural Diversity, and Global Awareness. These courses are identified in the LAS section of the schedule of courses and in the bulletin.

Humanities Area Requirement	
Core Humanities (HUM prefix, numbered 3000 and above)	3
One of the following:	3
PHIL 1000 Intro to Philosophy	
PHIL 1020 Ethics	
PHIL 1120 Critical Thinking	
Remaining hours from approved LAS General Humanities list	6
Natural Science Area Requirement	
BIOL 1510 Environmental Science	3
CHEM 1030 General Chemistry I	5
CHEM 1060 General Chemistry II	5
Social Science Area Requirement	
PSY 1000 General Psychology	3
Remaining hours from approved LAS Social Science list	8
Composition Requirement	
ENGL 1310 Rhetoric and Writing I	3
ENGL 1410 Rhetoric and Writing II	3
Reasoning Skills Requirement	
MATH 1350 Calculus I	4

Other Requirements for Secondary Science Certification:

GEOL 1010 Physical Geology	4
MATH 1360 Calculus II	4
MATH 2350 Calculus III	4
BIOL 1200 General Biology I	4

UCCS Teach Program (See Education Advisor for specific courses) 30

TOTAL CREDITS 123

(OVER)

Secondary Education at UCCS

“Pre-Education” is a direction, not a major.

If you intend to teach secondary school (7-12), this important information applies to you.

1. Begin by taking general education classes your freshman and sophomore years. A cumulative GPA of 2.5 or above is required in all general education, major and elective courses. A “B-“ or above is required in all education courses.
 2. Meanwhile, select your major according to the content area you intend to teach:
 - English – major in English
 - Mathematics – major in Mathematics (BA through the College of Engineering)
 - Natural Science – major in Biology, Chemistry or Physics
 - Social Studies – major in History
 - Spanish – major in Spanish
 3. Declare your major with a Secondary Education emphasis in the Student Success Center, Main Hall, 2nd Floor. If you would like to discuss major options or decide to change to elementary or special education (7-12), please see an advisor at the same location.
 4. Attend a group advising session, presented by the College of Education, to discuss admission criteria and deadlines for the various teaching programs. Call (719) 255-4996 for dates and times.
 5. During your sophomore year, complete UTED 1010 and UTED 1020. These courses will help you decide whether teaching is a good career choice for you, and they are required for application into the teaching program.
 6. Apply to the first tier of the Teacher Education Program. If you are accepted, you will continue taking courses in general education, plus your major, plus teaching courses.
 7. In your junior year, you will apply to the second tier of the Teacher Education Program. When you are accepted, you will be taking the remainder of your teaching courses, including student teaching.
 8. When you graduate, you will have a bachelor's degree with one of the majors listed above, plus provisional licensure.
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If you select (or already have substantial work toward) a major not listed above, you may finish your bachelor’s degree and then apply to the post-baccalaureate track of the teaching licensure program. However, this will require a year of study beyond the bachelor’s degree. In addition, you may be required to take extra undergraduate courses to meet Colorado’s content standards.