

# Best Choices Guide

## Physics (BS)

This Associate of Science degree is designed for Colorado Community College System (CCCS) students who want to transfer to UCCS and complete a Bachelor of Science degree with a major in Physics – Traditional option. It is based on the [best academic advising choices](#) for future UCCS students. Please note that final graduation requirements for the bachelor's degree will be based on your year of admission to UCCS. Contact [transfer@uccs.edu](mailto:transfer@uccs.edu) for more information.

To earn the Associate of Science Degree, students must complete the following course requirements for a total of 60 semester credit hours, at least 34 of which must be Colorado State-Guaranteed Courses. Courses taken at other colleges, AP, IB, CLEP, DSST, and other sources of credit may not be applicable upon transfer to UCCS even if applied to the associate's degree at CCCS. Check the CDHE's [GT Pathways](#) website for more information.

To transfer to UCCS, students should have a cumulative GPA of 2.0 or better.

Degree Requirements	Courses	
<b>Written Communication</b> (6 hours)	<ul style="list-style-type: none"> <li>ENG 121/1021</li> <li>ENG 122/1022</li> </ul> <i>Note: Students who test into ENG 122/1022 should take <b>ENG 131/1020 (1031 @ CCC)</b> as their second written communication course.</i>	
<b>Mathematics</b> (5 hours)	<ul style="list-style-type: none"> <li>MAT 201/2410</li> </ul>	
<b>Arts &amp; Humanities</b> (9 hours)	<ul style="list-style-type: none"> <li>Complete three GT-AH courses (<a href="#">GT-AH1</a>) (<a href="#">GT-AH2</a>) (<a href="#">GT-AH3</a>) (<a href="#">GT-AH4</a>)</li> </ul>	
<b>History</b> (3 hours)	<ul style="list-style-type: none"> <li>Complete one GT-HI1 course (<a href="#">GT-HI1</a>) (<b>DO NOT</b> take more than one GT-HI course for this AA/AS.)</li> </ul>	
<b>Social &amp; Behavioral Sciences</b> (3 hours)	<ul style="list-style-type: none"> <li>Complete one GT-SS course (<a href="#">GT-SS1</a>) (<a href="#">GT-SS2</a>) (<a href="#">GT-SS3</a>)</li> </ul> <i>Note: These courses are highly recommended: ANT 101/1001, GEO 105/1005 or GEO 106/1006</i>	
<b>Physical and Life Sciences</b> (10 hours)	<ul style="list-style-type: none"> <li>PHY 211/2111</li> <li>PHY 212/2112</li> </ul>	
<b>Additional Requirements</b> (25 hours) Courses recommended by UCCS for this degree.	MAT 202/2420	5
	MAT 203/2430	4
	MAT 265/2560	3
	CHE 111/1111	5
	CHE 112/1112	5
	PHY 213/2113	3

### Other AA/AS Requirements

- A minimum of 60 credit hours in a prescribed program of study with a cumulative grade point average of 2.0 (a C average). At least 15 of these credit hours must be earned from CCCS.
- Only 6 elective credits are allowed in any combination of PED courses.
- Career and technical courses, whether taken at another institution or at CCCS, are not accepted toward this degree without approval of the CCCS Vice President for Instructional Services. Approval is given only when it is appropriate to the educational objectives of the student.
- Courses numbered below 100 do not apply towards degrees

### State-Wide Articulation Agreement

This guide is based on the Colorado state-wide transfer articulation for your major. For additional information regarding guarantees, limitations, and addendums to that agreement please visit the Guaranteed Transfer and Guided Pathways page on the Colorado Department of Higher Education website ([higher.ed.colorado.gov/Academics/Transfers/Students.html](http://higher.ed.colorado.gov/Academics/Transfers/Students.html)).

### Additional Resources

The UCCS transfer website ([www.uccs.edu/transfer](http://www.uccs.edu/transfer)) has many additional resources for students transferring from CCCS to UCCS.

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## Four-Year Degree Plan - Physics

The following four-year plan lists all the specific course requirements for the Bachelor of Science in Physics degree at UCCS. Courses are listed by the course number at the appropriate institution. The order in which these courses are taken may vary with course availability. **Students are responsible for completing all course prerequisites.** Please note that this is a *suggested* degree program; your program may vary.

### Suggested First Year

FALL			SPRING		
√	Course	Hours	√	Course	Hours
	ENG 121/1021 or ENG 122/1022	3		ENG 122/1022 or 131/1020 (1031 @CCC)	3
	MAT 201/2410	5		MAT 202/2420	5
	GT-AH course	3		PHY 211/2111	5
	GT-SS course (see recommendations above)	3		GT-AH course	3
	<b>TOTAL</b>	<b>14</b>		<b>TOTAL</b>	<b>16</b>

### Suggested Second Year

FALL			SPRING		
√	Course	Hours	√	Course	Hours
	CHE 111/1111	5		CHE 112/1112	5
	MAT 203/2430	4		MAT 265/2560	3
	PHY 212/2112	5		PHY 213/2113	3
	GT-AH course	3		GT-HI1 course	3
	<b>TOTAL</b>	<b>17</b>		<b>TOTAL</b>	<b>14</b>

### Suggested Third Year

FALL			SPRING		
√	Course	Hours	√	Course	Hours
	Computer Science Elective	3		PES 3180 (spring only)	2
	PES 3130	3		PES 3210 (spring only)	3
	PES 3170 (fall only)	2		PES 3410 (spring only)	3
	TCID 2090	3		PES 4510	3
	Social Science Elective (Cultural Diversity)	3		Math Elective (MATH 3100 or higher)	3
	<b>TOTAL</b>	<b>14</b>		<b>TOTAL</b>	<b>14</b>

### Suggested Fourth Year

FALL			SPRING		
√	Course	Hours	√	Course	Hours
	PES 3250	3		PES 4810 (Oral Communication)	2
	PES 3310	3		PES 3320	3
	PES 4170 (fall only)	2		UD PES elective	3
	PES 4250	3		Social Science Elective (Inclusiveness)	3
	HUM 3990	4		Upper-Division (UD) General Elective (Sustainability)	5
	<b>TOTAL</b>	<b>15</b>		<b>TOTAL</b>	<b>16</b>

### UCCS Bachelor of Arts, Physics Major Requirements

- A minimum of 120 hours must be completed with a cumulative CU grade point average of 2.0; at least 45 of these hours must be at the upper-division level (courses numbered 3000-4999).
- The Physics major requires a minimum of 51 hours with a grade point average of 2.0, and at least 38 of the hours must be at the upper-division level (courses numbered 3000-4999).
- The last 30 hours of the degree must be completed while registered in the College of Letters, Arts and Sciences at UCCS.
- In addition to the requirements listed on this handout, students are required to complete one course in Oral Communication, Cultural Diversity and Global Awareness. The courses may be within the major, part of general education or electives. Physics majors will have met the Global Awareness requirement by completing one course from ANT 101, GEO 105 or GEO 106 at the community college.

Prospective Student Advising: Transfer Advisor ([transfer@uccs.edu](mailto:transfer@uccs.edu))