

## Physics (BS)

This Associate of Science degree is designed for PPCC students who want to transfer to UCCS and complete a Bachelor of Science degree with a major in Physics. It is based on the best academic advising choices for future UCCS students.

To earn the Associate of Science Degree, students must complete the following course requirements for a total of 60 semester credit hours, at least 35 of which must be Colorado State-Guaranteed Courses. Courses taken at other colleges, AP, IB, CLEP, and other sources of credit may not be applicable upon transfer to UCCS even if applied to the associate's degree at PPCC.

To transfer to UCCS, students should have a cumulative GPA of 2.4 or better, *including all remedial and repeated courses*. (Students with a transfer GPA between 2.0 and 2.39 will be considered for admission.) Each transfer course must have a grade of "C" or better.

Degree Requirements	Courses					
<b>Communication</b> (6 credit hours)	ENG 121	<i>Note: Students who test into ENG 122, should take ENG 201 as their second composition course.</i>				
	ENG 122					
<b>Mathematics</b> (5 credit hours)	<b>Category GT-MA1</b>					
	<b>MAT 201</b>					
<b>Arts &amp; Humanities/Social &amp; Behavioral Sciences</b> (15 credit hours)  Select three courses from at least two different GT-AH areas.	<b>Category GT-AH1</b>					
	ART 110	ART 111	ART 112	ART 207	DAN 125	MUS 120
	MUS 121	MUS 122	MUS 123	MUS 125	THE 105	THE 108
	THE 211	THE 212	THE 215			
	<b>Category GT-AH2</b>					
	HUM 103	HUM 115	HUM 121	HUM 122	HUM 123	LIT 115
	LIT 201	LIT 202	LIT 205	LIT 211	LIT 212	LIT 221
	LIT 222	LIT 225	LIT 246	LIT 259	LIT 268	
	<b>Category GT-AH3</b>					
	PHI 111	PHI 112	PHI 113	PHI 114	PHI 205	PHI 214
	PHIL 218	PHI 220				
	<b>Category GT-AH4</b>					
	FRE 211	FRE 212	GER 211	GER 212	ITA 211	ITA 212
	JPN 211	JPN 212	RUS 211	RUS 212	SPA 211	SPA 212
	2. Select one GT-HI course. <b>Do not take more than one GT-HI course for the AS.</b>	<b>Category GT-HI1</b>				
HIS 101		HIS 102	HIS 111	HIS 112	HIS 121	HIS 122
HIS 205		HIS 207	HIS 208	HIS 215	HIS 225	HIS 235
HIS 236		HIS 243	HIS 244	HIS 247	HIS 249	HIS 250
HIS 251		HIS 255	HIS 260			
3. Select one courses any of the GT-SS areas. <b>ANT 101, GEO 105 or GEO 106 are preferred options to fulfill this requirement for UCCS students.</b>	<b>Category GT-SS1</b>					
	AGE 102	ECO 101	ECO 201	ECO 202	ECO 245	POS 105
	POS 111	POS 125	POS 205	POS 215	POS 225	
	<b>Category GT-SS2</b>					
	<b>GEO 105</b>	<b>GEO 106</b>				
	<b>Category GT-SS3</b>					
	AGR 260	<b>ANT 101</b>	ANT 103	ANT 107	ANT 108	ANT 201
	ANT 215	ANT 225	ANT 250	COM 220	CRJ 110	ETH 200
	JOU 105	PSY 101	PSY 102	PSY 205	PSY 217	PSY 226
	PSY 227	PSY 235	PSY 238	PSY 240	PSY 249	SOC 101
	SOC 102	SOC 205	SOC 207	SOC 215	SOC 216	SOC 218
	SOC 220	SOC 231	SOC 237	WST 200	WST 225	WST 240



# Best Choices Guide



Physical and Life Sciences (10 credit hours)	Category GT-SC1					
	PHY 211	PHY 212				
<b>Additional Requirements</b> 27 credits recommended by UCCS for this degree plus remaining courses from the approved course list.	PHY 213					3
	MAT 202					5
	MAT 203					4-5
	Or MAT 204					
	<b>MAT 265 (preferred option for UCCS students)</b>					3-4
	Or MAT 261					
	Or MAT 266					
	CHE 111					
CSC 119					3	
CSC 160					4	

**NOTE:** Courses in italics will count towards the UCCS Writing Intensive Requirement.

### Other AS Requirements

1. 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 PPCC.
2. Only 6 elective credits are allowed in any combination of PED courses.
3. Career and technical courses, whether taken at another institution or at PPCC, are not accepted toward this degree without approval of the PPCC Vice President for Instructional Services. Approval is given only when it is appropriate to the educational objectives of the student.
4. 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)).

### Foreign Language Note – UCCS

UCCS admission requirements include 2 years of the same high school foreign language (or equivalent 2 semesters at Pikes Peak Community College). Students planning to attend UCCS who do not have the prerequisite foreign language requirement should consider enrolling in these courses in addition to the degree requirements. Students who do not meet this requirement will need to fulfill it upon transferring to UCCS. This admission requirement does not apply to those who graduated from high school prior to 1988, who have a GED, who graduated from a non-U.S. high school, or who can prove proficiency in a foreign language through the 2<sup>nd</sup> semester at college level. **Please check with the Transfer Advisor ([ppcc@uccs.edu](mailto:ppcc@uccs.edu)) to see if this requirement applies to you.**

### Advising at PPCC

(719) 502-3232 – [advising@ppcc.edu](mailto:advising@ppcc.edu)

### Additional Resources

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

## 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	3		ENG 122	3
	MAT 201	5		MAT 202	5
	PHY 211	5		PHY 212	5
	GT-SS course from: GEO 105, GEO 106, or ANT 101	3		GT-AH course	3
	<b>TOTAL</b>	<b>16</b>		<b>TOTAL</b>	<b>16</b>

### Suggested Second Year

FALL			SPRING		
√	Course	Hours	√	Course	Hours
	CHE 111	5		PHY 213	3
	MAT 203 or MAT 204	4		<b>MAT 265, MAT 261, or MAT 266</b>	3
	CSC 119	3		CSC 160	4
	GT-AH course	3		GT-HI course	3
				GT-AH course	3
	<b>TOTAL</b>	<b>15</b>		<b>TOTAL</b>	<b>16</b>

### Suggested Third Year

FALL			SPRING		
√	Course	Hours	√	Course	Hours
	<b>CHEM 1411/1412</b>	5		PES 3130	3
	Math Elective (MATH 3100 or higher)	3		ENGL 2090	3
	Upper-Division (UD) General Elective ( <i>Sustainability</i> )	3		HUM 3990	3
	Social Science Course ( <i>Inclusiveness</i> )	3		General Elective	2
				UD Social Science ( <i>Cultural Diversity</i> )	3
	<b>TOTAL</b>	<b>14</b>		<b>TOTAL</b>	<b>14</b>

### Suggested Fourth Year

FALL			SPRING		
√	Course	Hours	√	Course	Hours
	PES 3170	2		PES 3180	2
	PES 3250	3		PES 3210	3
	PES 3310	3		PES 3320	3
	PES 4170	2		PES 3410	3
	PES 4250	3		PES 4510	3
	PES 4810	2		UD Physics (PES) elective from list	3
	<b>TOTAL</b>	<b>15</b>		<b>TOTAL</b>	<b>17</b>

### UCCS Bachelor of Science, 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 48 hours with a grade point average of 2.0; a grade of "C-" or higher must be attained in all required courses; and at least 31 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 Oral Communication and Global Awareness requirements by completing PES 4810 at UCCS plus one course from ANT 101, GEO 105 or GEO 106 at the community college.
- The above requirements are based on the Physics major with the Traditional option. Other options exist and may require different courses at PCC and UCCS. Please contact the Transfer Advisor for more information.**
- For specific department information and recommendations, please visit: <http://www.uccs.edu/physics>.

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