

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. 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 for more information.

To earn the Associate of Arts degree with Designation (DwD), students must complete courses listed on page 1 of this guide for a total of 60 credit hours. At least 34 credits must be GT Pathways Courses. At least 15 credit hours must be earned from the CCC granting the AA or AS degree. 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.

A cumulative GPA of 2.0 or better is required for transfer student admission to UCCS. A minimum grade of C- or higher is required for courses to transfer to UCCS.

Degree Requirements	Courses	
Written Communication (6 hours)	- ENG 121/1021 - ENG 122/1022 <i>Note: Students who test into ENG 122/1022 should take ENG 1031 (Technical Writing I) as their second written communication course.</i>	
Mathematics¹ (5 hours)	MAT 201/2410	
Arts & Humanities (9 hours)	Complete three GT-AH courses (GT-AH1) (GT-AH2) (GT-AH3) (GT-AH4)	
History (3 hours)	Complete one GT-HI1 course (GT-HI1) (DO NOT take more than one GT-HI course for this AA/AS.)	
Social & Behavioral Sciences (3 hours)	Complete one GT-SS course (GT-SS1) (GT-SS2) (GT-SS3)	
Natural and Physical Sciences (10 hours)	- PHY 211/2111 - PHY 212/2112	
Additional Required Courses² (25 hours)	MAT 202/2420	5
	MAT 203/2430	4
	MAT 265/2560	3
	CHE 111/1111	5
	CHE 112/1112	5
	PHY 213/2113	3

State-Wide Articulation Agreement

This guide is based on the Colorado State-Wide Transfer Articulation Agreement (STAA) for your major. For additional information regarding guarantees, limitations, and addendums to that agreement please visit [Transfer Degrees | Colorado Department of Higher Education Home](#).

¹Reasoning Skills – UCCS

The College of Letters, Arts and Sciences (LAS) at UCCS requires all students to complete a Reasoning Skills requirement.

- Physics majors** take MAT 201/2410 **AND** a required Statistics course at UCCS (PES 4170 - Optics Lab) to fulfill the Reasoning Skills requirement.

²Language other than English - UCCS

Beginning fall 2023, the College of Letters, Arts and Sciences (LAS) at UCCS requires all students to complete a language requirement as part of their degree program. Students who provide a final, official transcript showing completion of an Associate's degree prior to their first semester of enrollment at UCCS will be waived from this requirement. For those who don't complete the Associate's degree, the second semester of a world language (ex: SPA 1012, Spanish Language II) or higher completes the requirement. Students who completed two years of the same world language in high school, or have AP, IB, or CLEP scores equivalent to a Language II course, will have completed the requirement upon receipt of high school transcripts and/or exam scores. Other exemptions and test-out options are available.

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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
	TOTAL	14		TOTAL	16

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
	TOTAL	17		TOTAL	14

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
	General Elective (Inclusiveness)	3		Math Elective (MATH 3100 or higher)	3
	TOTAL	14		TOTAL	14

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) (Reasoning Skills)	2		UD PES elective	3
	PES 4250	3		General Elective (Inclusiveness)	3
	HUM 3990	4		Upper-Division (UD) General Elective (Sustainability)	5
	TOTAL	15		TOTAL	16

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.
- At least 30 hours of the degree must be completed while registered in the College of Letters, Arts and Sciences at UCCS.

Additional Resources

- Visit the UCCS Transfer website at [Transfer Admissions](https://www.uccs.edu/transfer)
- Contact a Transfer Advisor at transfer@uccs.edu