

Best Choices Guide

Computer Science (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 Computer Science. 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's degree with Designation (DwD), 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. 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 or ENG 122/1022 - ENG 122/1022 or one GT-CO2 course <i>Note: Students who test into ENG 122/1022 should take ENG 131/1031 (Technical Writing I) as their second written communication course.</i>		
Mathematics (10 hours)	- MAT 201/2410 - MAT 202/2420		
Arts & Humanities (6 hours)	Complete two 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.)		
Social & Behavioral Sciences (6 hours)	Complete two GT-SS Courses (GT-SS1) (GT-SS2) (GT-SS3)		
Physical and Life Sciences (10 hours)	- CHE 111/1111 & 112/1112 or - PHY 211/2111 & 212/2112 <i>Note: Complete either the CHE or the PHY sequence</i>		
Additional Requirements (19 hours)	PPSC Courses	UCCS Equivalents	Credit Hours
Courses recommended by UCCS for this degree.	CSC 119/1019	CS 1120	3
	CSC 160/1060*	CS 1150 (<i>taught only in Java</i>)	4
	CSC 161/1061*	CS 1450 (<i>taught only in Java</i>)	4
	CSC 225/2025	CS 2160	4
	CSC 230/2030	CS 2060	3
*NOTE: CSC 1060 & 1061 should both be taken in either Java or C++ (<i>Java is preferred</i>). If only CSC 1060 is taken, it must be in Java or it may need to be repeated at UCCS.	General Electives		1

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](#).

Additional Resources

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

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Four-Year Degree Plan – Computer Science

The following four-year plan lists all the specific course requirements for the Bachelor of Science in Computer Science 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 ENG 131/1031	3
	CSC 119/1019	3		CSC 160/1060 (<i>Java preferred</i>)	4
	GT-AH course	3		GT-AH course	3
	GT-SS course	3		GT-SS course	3
	GT-HI course	3		CSC 230/2030	3
	TOTAL	15		TOTAL	16

Suggested Second Year

FALL			SPRING		
√	Course	Hours	√	Course	Hours
	MAT 201/2410	5		MAT 202/2420	5
	CSC 161/1061 (<i>Java preferred</i>)	4		CSC 225/2025	4
	GT-SC1 – sequence course 1	5		GT-SC1 – sequence course 2	5
				General Elective	1
	TOTAL	14		TOTAL	15

Suggested Third Year

FALL			SPRING		
√	Course	Hours	√	Course	Hours
	TCID 2090 or General Elective	3		CS 2020 OR MATH 3810 OR ECE 3610	3
	CS 2080	3		CS 3020, 3060 or 3080	3
	CS 2150 OR MATH 2150	3		CS 3050	1
	CS 2300 OR MATH 3130	3		CS 4200	3
	Upper-Division (UD) General Elective (<i>Inclusiveness/Sustainability</i>)	3		CS 4220	3
				UD General Elective (<i>Navigate</i>)	3
	TOTAL	14		TOTAL	16

Suggested Fourth Year

FALL			SPRING		
√	Course	Hours	√	Course	Hours
	CS 3160	3		CS 4300	3
	CS 3300	3		CS 4720	3
	CS 4500	3		CS 4910	3
	UD CS Specialty Area Course	3		UD CS Specialty Area Course	3
	UD CS Specialty Area Course	3		UD CS Specialty Area Course	3
	TOTAL	15		TOTAL	15

UCCS Bachelor of Science, Computer Science 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 Computer Science, BS major requires a minimum of 43 hours plus 12 hours of Specialty Area courses, with a grade point average (GPA) of 2.0. ~~and~~ At least 37 of the hours must be at the upper-division level.
- The last 30 hours of the degree must be completed while registered in the College of Engineering & Applied Science at UCCS.