

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.

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. Students need a 3.0, or higher, GPA to be admitted into the Computer Science BS program.

Degree Requirements	Courses	
Written Communication (6 hours)	<ul style="list-style-type: none"> ENG 121 or ENG 122 ENG 122 or one GT-CO2 course <i>Note: Students who test into ENG 122 should take ENG 201 as their second written communication course.</i>	
Mathematics (10 hours)	<ul style="list-style-type: none"> MAT 201 MAT 202 	
Arts & Humanities (6 hours)	<ul style="list-style-type: none"> Complete two GT-AH courses (GT-AH1) (GT-AH2) (GT-AH3) (GT-AH4) 	
History (3 hours)	<ul style="list-style-type: none"> Complete one GT-HI1 course (GT-HI1) (DO NOT take more than one GT-HI course for this AA.) 	
Social & Behavioral Sciences (6 hours)	<ul style="list-style-type: none"> Complete two GT-SS Courses (GT-SS1) (GT-SS2) (GT-SS3) 	
Physical and Life Sciences (10 hours)	<ul style="list-style-type: none"> CHE 111 & 112 or PHY 211 & 212 <i>Note: Complete either the CHE or the PHY sequence</i>	
Additional Requirements (19 hours) Courses recommended by UCCS for this degree.	CSC 119	3
	CSC 160	4
	CSC 161	4
	CSC 225	4
	COM 220	3
	General Electives	1

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).

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 2nd semester at college level. **Please check with the Transfer Advisor (transfer@uccs.edu) to see if this requirement applies to you.**

Additional Resources

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

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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 or ENG 122	3		ENG 122 or GT-CO2 course	3
	CSC 119	3		CSC 160	4
	GT-AH course	3		GT-AH course	3
	GT-SS course	3		GT-SS course	3
	GT-HI course	3		COM 220	3
	TOTAL	15		TOTAL	16

Suggested Second Year

FALL			SPRING		
√	Course	Hours	√	Course	Hours
	MAT 201	5		MAT 202	5
	CSC 161	4		CSC 225	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	3		CS 2020 OR MATH 3810	3
	CS 2060	3		CS 3020, 3060 or 3080	3
	CS 2080	2		CS 3050	1
	CS 2150 OR MATH 2150	3		CS 4200	3
	CS 2300 OR MATH 3130	3		CS 4220	3
				General Elective (<i>Navigate/Writing Intensive</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 Specialty Area Course	3
	CS Specialty Area Course	3		CS Specialty Area Course	3
	CS Specialty Area Course	3		General Elective (<i>Sustainability</i>)	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 major requires a minimum of 39 hours and 12 hours in a Specialty Area, with a grade point average of 2.0, and at least 34 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 Engineering & Applied Science at UCCS.

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