Best Choices Guide

Computer Science (BA) – Cyber Security AAS

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

To earn the Associate of Applied Science Degree, students must complete the following course requirements for a total of 60 semester credit hours. 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 for the Computer Science program, students should have a minimum cumulative GPA of 2.9 or better, *including all remedial and repeated courses*. Students with a transfer GPA between 2.0 and 2.89 will be considered for admission to UCCS, but will need to have a 2.9, or higher, GPA before being admitted to the program. Each transfer course must have a grade of "C" or better.

General Education (13 credit hours)	COM 115 OR COM 125	Public Speaking Interpersonal Communication	3
	ENG 131	Technical Writing	3
	MAT 121	College Algebra	4
	SOC 218	Sociology of Diversity	3
Cyber Security Requirements (48 credit hours)	CIS 124	Intro to Operating Systems	3
	CIS 223	Linux	3
	CNG 102	Local Area Networks	3
	CNG 132	Network Security Fundamentals	3
	CNG 257	Network and Defense Countermeasures	3
	CNG 260	Certified Cisco Network Associate I	5
	CNG 261	Certified Cisco Network Associate II	5
	CNG 270	CCNA Security	5
	CNG 280	Internship	3
	CSC 105 OR CIS 118	Computer Literacy Introduction to PC Applications	3
	CSC 119	Intro to Programming (Python)	3
	CSC 129	Introduction to Secure Coding	3
	CSC 217	Advanced Python Programming	3
	Cyber Security Elective	CSC 160 – Computer Science I	4

Other AAS 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. Courses numbered below 100 do not apply towards degrees

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 (ppcc@uccs.edu) to see if this requirement applies to you.**

Advising at PPCC
(719) 502-3232 – advising@ppcc.edu

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Four-Year Degree Plan – Computer Science (BA) – Cyber Security AAS

The following four-year plan lists all the specific course requirements for the Bachelor of Arts 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

√	Course (FALL)	Hours	√	Course (SPRING)	Hours
	CIS 124	3		CIS 223	3
	CNG 260	5		CNG 102	3
	CSC 105	3		CNG 132	3
	CSC 119	3		CNG 261	5
				MAT 121	4
	TOTAL	14		**TOTAL**	18

Suggested Second Year

√	Course (FALL)	Hours	√	Course (SPRING)	Hours
	CNG 257	3		CIS 280	3
	CNG 270	5		CSC 217	3
	CSC 129	3		Cyber Security Elective – CSC 160	4
	ENG 131	3		COM 115 or 125	3
				SOC 218	3
	TOTAL	14		**TOTAL**	16

Suggested Third Year

√	Course (FALL)	Hours	√	Course (SPRING)	Hours
	CS 1450	3		CS 2060	3
	CS 2300	3		CS 2150	3
	ENGL 1310	3		CS 2200	3
	Navigate	3		CS Core Course	3
	GEOL 3700 (Natural Science/Sustainability)	3		Explore – Arts, Humanities & Cultures Course (Upper-Division)	3
	TOTAL	15		**TOTAL**	15

Suggested Fourth Year

√	Course (FALL)	Hours	√	Course (SPRING)	Hours
	Upper-Division (UD) CS Core Course	3		CS 4300	3
	UD CS Core Course	3		UD CS Core Course	3
	UD CS Core Course	3		UD CS Core Course	3
	UD Track Course	3		UD Track Course	3
	UD Track Course	3		UD Track Course	3
	UD Open Elective	3		UD Open Elective	3
	TOTAL	18		**TOTAL**	18

NOTE 1: Five of the six CS Core Courses must be taken at the upper-division, or additional hours will be needed for the degree.

NOTE 2: Two Writing Intensive Courses must be completed through the Navigate, Explore, and Open Elective Courses.