Best Choices Guide

Computer Science (BA) – Cyber Security AAS

This Associate of Applied Science (AAS) degree is designed for PPSC students who want to transfer to UCCS and complete a Bachelor of Arts in Computer Science with the Cybersecurity track. 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 AAS Degree, students must complete the following course requirements for a total of 62 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 PPSC.

To transfer to UCCS for the Computer Science program, students should have a minimum cumulative GPA of 2.9 or better. 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.

	PPSC Courses		PPSC credit hours	UCCS equivalents	UCCS credit hours
General Education Courses (16 credit hours)	CSC 1005 **or** CIS 1018	Computer Literacy **or** Intro to PC Applications	3	CS 1000 INFS1999TC	3
	COM 1150	Public Speaking	3	COMM 2100	3
	ENG 1031 **or** ENG 1021	Technical Writing I **or** English Composition I	3	ENGL 1310 TCID 2090	3
	SOC 2018	Sociology of Diversity	3	SOC 2200	3
	MAT 1340	College Algebra	4	MATH 1040	4
	PPSC Courses		PPSC credit hours	UCCS equivalents	UCCS credit hours
Cyber Security (AAS) Requirements (46 credit hours) Inform your UCCS advisor when you complete the AAS to ensure that your credits are applied correctly. ***Students who take CSC 1060 & 1061 *in the same language* will not need to take CS 1450 at UCCS. If only CSC 1060 is taken, it *must* be in Java or students will not be prepared for CS 1450 (which is only taught in Java at UCCS), and may need to retake CS 1150.**	**CIS 2023**	Linux	3	**Bulk transfer credit** CIS 2023 and the CNG courses do not transfer directly to UCCS. Students must complete ***all*** of the bolded courses to receive bulk credit for them at UCCS. The bulk credit will fulfill 6 credits of Cybersecurity electives and 24 credit hours of general electives toward the BA in Computer Science – Cybersecurity Track.	
	CNG 1020	A+ Certification Prep	4		
	CNG 1024	Networking I	3		
	CNG 1031	Principles of Info Assurance	3		
	CNG 1032	Network Security Fundamentals	3		
	CNG 1042	Intro to Cloud Computing	3		
	CNG 2042	Cloud Computing	3		
	CNG 2056	Vulnerability Assessment I	3		
	CNG 2057	Network and Defense Countermeasures	3		
	CNG 2059	Enterprise Security	4		
	CNG 2080	Internship ***(must be taken for credit)***	3		
	CSC 1019	Intro to Programming ***(must be taken in Python)***	3	CS 1120	3
	Electives* CSC 1060 CSC 1061	 Computer Science I Computer Science II ***(both courses must be taken in the same language, Java preferred)***	 4 4	 CS 1150 CS 1450	 3 3

Contact Advising at PPSC
(719) 502-3232 – advising@pikespeak.edu

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

	FALL			SPRING	
√	*Course*	*Hours*	√	*Course*	*Hours*
	CNG 1020	4		CIS 2023	3
	CNG 1024	3		CNG 1031	3
	CSC 1005 **or** CIS 1018	3		CNG 1032	3
	MAT 1340	4		CNG 1042	3
				CSC 1019 *(must be taken in Python)*	3
	TOTAL	14		**TOTAL**	15

Suggested Second Year

	FALL			SPRING	
√	*Course*	*Hours*	√	*Course*	*Hours*
	CNG 2042	3		CNG 2056	3
	CNG 2057	3		CNG 2059	4
	CSC 1060 *(Java preferred)*	4		CNG 2080 *(must be taken for credit)*	3
	ENG 1021 **or** ENG 1031	3		CSC 1061 *(must be taken in same language as CSC 1060, Java preferred)*	4
	SOC 2018	3		COM 1150	3
	TOTAL	16		**TOTAL**	17

Suggested Third Year

	FALL			SPRING	
√	*Course*	*Hours*	√	*Course*	*Hours*
	CS 2020	3		CS 2150	3
	CS 2060	3		CS 2160	3
	CS 2080	3		CS 2300	3
	ENGL 1310 **or** TCID 2090 (depending on which course was transferred)	3		CS 3020, 3060, or 3080	3
	Upper-Division (UD) Open Elective *(Sustainability)*	3		UD Navigate course *(Writing Intensive) (recommend ENGR 3040)*	3
	UD Open Elective *(Explore – Physical & Natural World)*	3			
	TOTAL	18		**TOTAL**	15

Suggested Fourth Year

	FALL			SPRING	
√	*Course*	*Hours*	√	*Course*	*Hours*
	CS 3160	3		CS 4300	3
	CS 3300	3		UD CS Core Elective	3
	UD CS Core Elective	3		UD Cybersecurity Track Course	3
	UD Cybersecurity Track Course	3		UD Cybersecurity Track Course	3
	UD Cybersecurity Track Course	3		UD Open Elective *(Inclusiveness if needed)*	3
	UD Open Elective (*Explore – Arts, Humanities & Cultures)*	3			
	TOTAL	18		**TOTAL**	15

NOTE 1: Students who complete the AAS will receive bulk credit toward the Cybersecurity track. CNG courses do not transfer individually to UCCS.

NOTE 2: 128 credit hours are required to complete the bachelor's degree as outlined. At least 45 credit hours must be completed at the upper-division level (courses numbered 3000-4999) at UCCS.