Computer Science (BA) – Cyber Security AAS

This Associate of Applied Science 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 Associate of Applied Science 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.

General Education Courses (16 credit hours)	CSC 105/1005 OR CIS 118/1018	Computer Literacy Introduction to PC Applications	3
	COM 115/1150 OR COM 125/1250	Public Speaking *(preferred)* Interpersonal Communication	3
	ENG 131/1031 **or** ENG 121/1021	Technical Writing I *(preferred)* English Composition I	3
	SOC 218/2018	Sociology of Diversity	3
	MAT 121/1340	College Algebra	4

Cyber Security Requirements (46 credit hours) CIS 223/2023 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. Inform your UCCS advisor when you complete the AAS to ensure that your credits are applied correctly.	CIS 124/1024	Intro to Operating Systems	3
	CIS 223/2023	Linux	3
	CNG 102/1002	Local Area Networks	3
	CNG 132/1032	Network Security Fundamentals	3
	CNG 257/2057	Network and Defense Countermeasures	3
	CNG 260/2060	Certified Cisco Network Associate I	5
	CNG 261/2061	Certified Cisco Network Associate II	5
	CNG 270/2070	CCNA Security	5
	CNG 280/2080	Internship	3
	CSC 119/1019	Intro to Programming *(must be in Python)*	3
	CSC 129/1029	Introduction to Secure Coding	3
	CSC 160/1060*	Computer Science I *(must be in Java)*	4
	CSC 217/2017	Advanced Python Programming	3
	Additional Recommended Course: CSC 1061	Computer Science II (must be in the same language as CSC 1060) **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.**	

Other AAS 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 PPSC.

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

Best Choices Guide

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 Course	Hours	√	SPRING Course	Hours
	CIS 124/1024	3		CIS 223/2023	3
	CNG 260/2060	5		CNG 102/1002	3
	CSC 105/1005 **or** CIS 118/1018	3		CNG 132/1032	3
	CSC 119/1019 (must be taken in Python)	3		CNG 261/2061	5
				MAT 121/1340	4
	TOTAL	14		**TOTAL**	18

Suggested Second Year

√	FALL Course	Hours	√	SPRING Course	Hours
	CNG 257/2057	3		CNG 280/2080	3
	CNG 270/2070	5		CSC 160/1060 (must be taken in Java)	4
	CSC 129/1029	3		CSC 217/2017	3
	ENG 121/1021 **or** 131/1031	3		COM 115/1150 or 125/1250	3
				SOC 218/2018	3
	TOTAL	14		**TOTAL**	16

Suggested Third Year

√	FALL Course	Hours	√	SPRING Course	Hours
	CS 1450 (or take CSC 1061 in Java at PPSC)	3		CS 2080	3
	CS 2020	3		CS 2150	3
	CS 2060	3		CS 2160	3
	ENGL 1310 **or** TCID 2090 (depending on which course was transferred)	3		CS 2300	3
	UD Open Elective *(Sustainability)*	3		UD Navigate course *(Writing Intensive)* (recommend ENGR 3040)	3
	UD Open Elective	3		UD Open Elective	3
	TOTAL	18		**TOTAL**	18

Suggested Fourth Year

√	FALL Course	Hours	√	SPRING Course	Hours
	CS 3160	3		CS 4300	3
	CS 3300	3		UD CS Core Elective	3
	Upper-Division (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	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 after transfer to UCCS (courses numbered 3000-4999).