

## 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. 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](mailto: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 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 PPSC.

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			
General Education (13 credit hours)	COM 115/1150 OR COM 125/1250	Public Speaking  Interpersonal Communication	3
	ENG 131/1031	Technical Writing	3
	MAT 121/1340	College Algebra	4
	SOC 218/2018	Sociology of Diversity	3
Cyber Security Requirements			
Cyber Security Requirements (48 credit hours)	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 105/1005 OR CIS 118/1018	Computer Literacy  Introduction to PC Applications	3
	CSC 119/1019	Intro to Programming (Python)	3
	CSC 129/1029	Introduction to Secure Coding	3
	CSC 217/2017	Advanced Python Programming	3
	Cyber Security Elective	CSC 160/1060 – 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 PPSC.
2. Only 6 elective credits are allowed in any combination of PED courses.
3. Courses numbered below 100 do not apply towards degrees

### Advising at PPSC

(719) 502-3232 – [advising@ppcc.edu](mailto:advising@ppcc.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
	CIS 124/1024	3		CIS 223/2023	3
	CNG 260/2060	5		CNG 102/1002	3
	CSC 105/1005	3		CNG 132/1032	3
	CSC 119/1019	3		CNG 261/2061	5
				MAT 121/1340	4
<b>TOTAL</b>		<b>14</b>	<b>TOTAL</b>		<b>18</b>

### Suggested Second Year

FALL			SPRING		
√	Course	Hours	√	Course	Hours
	CNG 257/2057	3		CNG 280/2080	3
	CNG 270/2070	5		CSC 217/2017	3
	CSC 129/1029	3		Cyber Security Elective – CSC 160/1060	4
	ENG 131/1031	3		COM 115/1150 or 125/1250	3
				SOC 218/2018	3
<b>TOTAL</b>		<b>14</b>	<b>TOTAL</b>		<b>16</b>

### Suggested Third Year

FALL			SPRING		
√	Course	Hours	√	Course	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	3
<b>TOTAL</b>		<b>15</b>	<b>TOTAL</b>		<b>15</b>

### Suggested Fourth Year

FALL			SPRING		
√	Course	Hours	√	Course	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
<b>TOTAL</b>		<b>18</b>	<b>TOTAL</b>		<b>18</b>

**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.

**NOTE 3:** Students who complete the AAS will receive credit toward the Cybersecurity track. CNG courses do not transfer individually to UCCS.