Degree & Certificate Requirements

Cyber Security Associate of Applied Science (AAS)
PROFESSIONAL TECHNICAL
2025-2026 Degree Requirements

Major Courses

Course Number	Course Title	Credits	Qtr. Completed	Comments / Substitution
CS 101	Intro to Computers & Information Technology	5		
CS 102	Programming Fundamentals [M/S]	5		
or				
CS& 131	Computer Science I C++ [M/S]	5		
CS 106	Database Systems	5		
CS 117	Computer Ethics	2		
CS 150	Computer Security [RE]	5		
CS 228	Windows Server [RE]	5		
Select 3 to 6 credits from the following:				
CS 118	Customer Service [RE]	3		
CS 217	Internship	1-3		
	Subtotal	**30-33**		

Major Support

Course Number	Course Title	Credits	Qtr. Completed	Comments / Substitution
CS 135	Cloud Fundamentals [RE]	5		
CS 162	C++2 [RE]	5		
or				
CS 202	Programming Fundamentals 2 [RE]	5		
CS 206	Database Design [RE]	5		
CS 221	SQL Server Administration [RE]	5		
CS 223	Unix/Linux [RE]	5		
CS 231	Network Infrastructure [RE]	5		
CS 232	Network Security [RE]	5		
CSIA 200	Computer Forensics Fundamentals [RE]	5		
	Subtotal	**40**		

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General Education

Course Number	Course Title	Credits	Qtr. Completed	Comments / Substitution
ENGL& 101	English Composition I [C]	5		
Mathematics - select 5 credits from the following:				
MATH& 141	Precalculus I [M/S] [Q/SR]	5		
MATH& 142	Precalculus II [M/S] [Q/SR]	5		
MATH& 144	Precalculus I & II [M/S] [Q/SR]	5		
MATH& 146	Introduction to Stats [M/S] [Q/SR]	5		
MATH& 148	Business Calculus [M/S] [Q/SR]	5		
MATH& 151	Calculus I [M/S] [Q/SR]	5		
MATH& 152	Calculus II [M/S] [Q/SR]	5		
MATH& 153	Calculus III [M/S] [Q/SR]	5		
Psychology or Sociology - select 5 credits from the following:				
PSYC& 100	General Psychology [S/B]	5		
Any PSYC course higher than 100		5		
SOC& 101	Intro to Sociology [S/B]	5		
SOC& 201	Social Problems [S/B]	5		
Communication - select 5 to 6 credits from the following:				
CMST 104	Speech Essentials [C]	3		
CMST 110	Communication Behavior [C]	3		
CMST& 210	Interpersonal Communication [C]	5		
CMST& 220	Public Speaking [C]	5		
CMST 260	Multicultural Communication [C]	5		

Subtotal	**20-21**	
Total Credits Required	**90-94**	

Note:

Combination of CA 120, CA 140, CA 150 and CA 160 can be substituted as equivalent for CS 101 for a total of 5 credits counted towards the degree. Classes/credits used for substitution cannot be used to fulfill other requirements.

Students must receive a minimum grade of 2.5 or pass (P) in all CS and CSIA courses.