Degree & Certificate Requirements

Cyber Security Bachelor of Applied Science (BAS)
2022-2023 Degree Requirements
BAS degrees require a minimum of 60 credits of 300- and 400-level courses

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	5		
CS 162	C++2 [M/S]	5		
or				
CS 202	Programming Fundamentals 2 [M/S]	5		
CS 206	Database Design	5		
CS 221	SQL Server Administration	5		
CS 223	UNIX/Linux	5		
CS 228	Windows Server	5		
CS 231	Network Infrastructure	5		
CS 232	Network Security	5		
CSIA 200	Computer Forensics Fundamentals	5		
CSIA 250	Networking Fundamentals	5		
CSIA 300	Cyber Security and Information Assurance	5		
CSIA 310	E-Commerce Security	5		
CSIA 320	Ethical Hacking	5		
CSIA 330	Wireless Security	5		
CSIA 410	Cryptology	5		
CSIA 420	Cyber Crime and Terrorism	5		
CSIA 430	UNIX Administration and Security	5		
CSIA 440	Cyber Testing and Penetration	5		
CSIA 450	Cyber Security Capstone	5		
Select 3-6 credits from the following:				
CS 118	Customer Service	3		
CS 217	Internship	1–3		
	Subtotal	**115 - 118**		

Major Support

Course Number	Course Title	Credits	Qtr. Completed	Comments / Substitution
PROJ 100	Introduction to Project Management	5		
	Subtotal	**5**		

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General Education

Course Number	Course Title	Credits	Qtr. Completed	Comments / Substitution
Communication - 15 credits:				
ENGL&101	English Composition I [C]	5		
ENGL 410	Professional & Organizational Communication [C]	5		
CMST 415	Applied Professional Communication	5		
Quantitative/Symbolic Reasoning - 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		
Social & Behavioral Sciences - 10 credits:				
SOC 305	Cybercrime: A Sociological Perspective [S/B]	5		
ECON 305	Managerial Economics [S/B]	5		
Humanities - 10 credits:				
PHIL 305	Professional Ethics [H]	5		
ICS 310	American Diversity [H]	5		
Mathematical & Natural Science - select 10 credits from the following:				
Choose a lab science from this distribution list		5		
Choose any course from this distribution list		5		
Electives – select 10 credits from the following distribution areas. Check with your program advisor for recommended elective courses from Communication, Quantitative/Symbolic Reasoning, Social & Behavioral Sciences, Humanities, and Mathematical & Natural Science distributions.				
		5		
		5		

Subtotal 60
Total Credits Required 180-183

Note:
- Students must earn a minimum 2.0 grade in all CSIA and CSIT courses.
- Students must earn a minimum 2.5 grade in all CS courses.
- Required minimum cumulative GPA 2.0.
- Minimum 2.0 grade in MATH 050, 070, 072, 094, 095 or 098 is a prerequisite for all programming classes.
- A student may not use equivalent cross-listed courses for the same graduation requirement. Refer to the Cross-Listed Courses section of the catalog for more information, and consult with your counselor, completion coach, or faculty advisor.