B.S. Computer Science, Emphasis in Cybersecurity

General Education Requirements for all Bachelor's degrees

Quality Enhancement Plan (QEP) Requirement

In addition to the course requirements set forth below, each student seeking a B.S. in Computer Science with Emphasis in Cybersecurity must satisfy the requirements for the A.S. in Computer Science, as well as successfully develop and release a useful program under an open-source model.

We strongly suggest that students seeking the Bachelor of Science in Computer Science with Emphasis in Cybersecurity plan to take their computer science courses in the following sequence:

Bachelor of Science

Freshman — Fall Semester	CSIS 110, CSIS 125
Freshman — Spring Semester	CSIS111, CSIS 225
Sophomore — Fall Semester	CSIS 211, CSIS 245
Sophomore — Spring Semester	CSIS 201 CSIS 215, CSIS 265
Junior — Fall Semester	CSIS 301, CSIS 360, BUAD 202 CRIJ 311
Junior — Spring Semester	CSIS 367, CSIS 375
Senior — Fall Semester	CSIS 492, CSIS 467
Senior — Spring Semester	CSIS 405, CSIS 490

Required Courses

Item #	Title	credits
CSIS 110	Principles of Computer Programming I	3
CSIS 111	Principles of Computer Programming II	3
CSIS 125	Discrete Structures I	3
CSIS 201	Information Literacy for CS Majors	1
CSIS 211	Data Structures and Algorithms	3
CSIS 215	Object-Oriented Programming in C++	3
CSIS 225	Discrete Structures II	3
CSIS 245	Introduction to Local Area Network Technology	4
CSIS 265	Internetwork Architectures	3
CSIS 301	Issues and Practices in Information Security	3
CSIS 360	Operating Systems	3
CSIS 367	System & Network Hardening	3
CSIS 375	Introduction to Robotic Systems	4
CSIS 405	Formal Languages and Automata	3
CSIS 467	Cyber Forensics & Analysis	3
CSIS 490	Software Engineering	3
CSIS 492	Computer Science Internship	3
BUAD 202	Introduction to Contemporary Business	3
CRIJ 311	Criminal Investigations	3

Required Cognates

Item #	Title	credits
COMM 115	Group Communication	3
MATH 141	Introduction to Probability and Statistics	3
	Total credits:	63