JCC
JAMESTOWN COMMUNITY COLLEGE
SUNY

ASSOCIATE IN SCIENCE

Cybersecurity

curriculum code: 2595 | HEGIS code: 5199
minimum credit hours required: 60

Cybersecurity has become a major concern for organizations and individuals who utilize computers. This program is designed to provide students with an understanding of computers, computer networks and the vulnerability of those systems, and methods for addressing cyber threats. Students will study a variety of tools, policies, and procedures designed to address vulnerabilities and minimize cyber threats. Students will be prepared to complete industry certification in computer hardware and system software, networking, and security. This degree program is designed for students who plan to transfer to a four-year college or university to major in cybersecurity or computer science.

REQUIRED COURSES	CR	JCC	SUNY	LAS
INT 1555: Inquire	2	Inquiry- Critical & Integrative Reasoning		X
ENG 1510: English Composition I	3	College Composition	HUMN	H
ENG 1530: English Composition II	3	College Comp & Oral Communication	COMW & COMO	H
Mathematics Elective	7	SUNY Mathematics & Quantitative Reasoning	MATH	N
Natural Sciences Elective - SUNY Gen Ed	3	SUNY Natural Science & Scientific Reasoning	NSCI	N
Social Sciences Elective - SUNY Gen Ed	3	SUNY Social Science	SOSC	S
CSC 2510: Introduction to Networks	3	Applied Learning		N
CSC 1520: Introduction to Cybersecurity	3			N
CSC 1570: Programming Concepts & Applications	3			N
CSC 1580: Computer Hardware & System Software	3			N
CSC 1590: Computer Programming	4			N
CSC 1600: Data Structures	4			
CSC 2480: Advanced Networking & Security	3			
CSC 2660: Database Management	4			
CSC 2670: Computer Organization	4		MATH	
Open Electives up to 7 credits may need to be SUNY Gen ed- category specific and may need to fill JCC Essentials Global Perspective, Cultural Understanding, and Diversity requirements.	8	Global Perspectives, Cultural Understanding, & Diversity	(2 categories, to include DIVE) [7 credits]	
TOTAL CREDITS: 60			30	37

IMPORTANT POINTS:

- Students are initially placed in a mathematics course based on their mathematics background. Students that do not place in college-level mathematics may need more than two years to complete this degree.
- Work with your advisor to determine the MAT courses required at your transfer school. MAT 1670 and MAT 1710 are required for Computer Science transfer at SUNY schools. MAT 1720 may also be required at some transfer institutions.
- Several upper-level computer science courses are only offered online.
- Additional fees will be required if students choose to take industry certification tests such as CompTIA+, Network +, and Security +.