



CERTIFICATE
Cybersecurity

curriculum code: 2048 | HEGIS code: 5199
 minimum credit hours required: 30

Cybersecurity has become a major concern for organizations and individuals who utilize computers. This certificate is designed to provide students with a basic 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. Graduates will be prepared for entry into and/or career advancement within cybersecurity computer networks, which is a growth market within our service region. **This program is available online.**

Certificate Requirements	
CSC 1520: Introduction to Cybersecurity	3
CSC 1570: Programming Concepts & Applications	3
CSC 1580: Computer Hardware & System Software	3
CSC 2480: Advanced Networking & Security	3
CSC 2510: Introduction to Networks	3
ENG 1510: English Composition I	3
INT 1555: Inquire	2
Mathematics Elective (MAT 1500 or higher)	3
Social Sciences Elective - SUNY Gen Ed	3
Program Core Electives choose from CSC 1530 or above, or BUS 1500 or above	3
Elective	1
Total Credits: 30	

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 selected 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 A+, Network +, and Security +.