

# Advanced Cybersecurity

## Certificate

### ***DIVISION OF SCIENCE, TECHNOLOGY, ENGINEERING & MATHEMATICS***

This certificate, the second-level in a stackable certificate model, offers non-traditional, under-represented, career-changer, and veteran students in addition to traditional students, skills in a field with great job opportunities. The security field used to require a higher level of education; however, this requirement has changed recently and the demand for hiring those with cybersecurity knowledge is growing fast.

The stackable nature of these certificates allows students to earn multiple certificates while pursuing their Associate Degree. In addition, the certificates allow students to not only earn an academic credential but also the opportunity to earn industry credentials by successfully passing industry standard certification exams.

Students completing this certificate will be prepared and are encouraged to gain industry credentials by taking industry standard examinations offered by leading Networking and Cybersecurity certification organizations.

#### *Career outlook:*

This certificate prepares students with advanced security knowledge to enable their employment as a network and security technician and/or specialist. The courses in this certificate are aligned with NICE framework as well as Cisco Academy. Students completing this certificate will be trained with up-to-date technology and a knowledge-base in security that will help them secure a position in security field.

Upon successful completion, the Certificate in Advanced Cybersecurity is awarded.

COURSE	COURSE TITLE	CREDITS
CS 118	Scripting	3
CS 242	Computer Networks	4
CS 180	Introduction to Operating Systems	3
CS 116	Fundamentals of Cybersecurity	4
CS 243	Computer Networks II	4
CS 248	Securing Access	3
CS 247	Perimeter Defense	3
	<b>Total Credits:</b>	<b>24</b>