CYBER SECURITY CERTIFICATE

Overview

The Professional Certificate in Cyber Security is aimed at graduates with an AAS degree (two-year degree) who are working in a security or IT-related field. The certificate will provide the material needed to upskill students so that they can gain cybersecurity knowledge. The certificate will be offered online as a series of half-semester 2 credit courses (the professional communications course is 3 credits). The certificate will be 20 credits. The courses in the certificate will map to federal training standards as outlined in the NIST/NICE framework.

Undergraduate Certificate

ENGL 3140	Technical Communication	3
CYBSC 3700	Fundamentals of Network Security	2
CYBSC 3710	Adversarial Thinking	2
CYBSC 3720	Fundamentals of Data Security and Privacy	2
CYBSC 4890	Cybersecurity Capstone	3
8 credits from the following:		8
CYBSC 4600	Application of Security Literacy	
CYBSC 4610	Cyber Exercise Design	
CYBSC 4700	Threat Hunting and Intelligence	
CYBSC 4710	Digital Forensics and Incident Response	
CYBSC 4720	Applications of Cryptography	
CYBSC 4730	Fundamentals of Operating Systems Security	
CYBSC 4740	Fundamentals of Cloud Security	
CYBSC 4750	Fundamentals of Software Security	
CYBSC 4760	Fundamentals of Cybersecurity Scripting	
CYBSC 4770	Fundamentals of Cyber Resilience	
CYBSC 4780	Fundamentals of Cyber-Physical and Critical Infrastructure Security	
CYBSC 4790	Fundamentals of Web Security	
Total Credits		**20**