Associate in Science Degree: Cybersecurity

The Network Technology Department's Cybersecurity Associates program will prepare students to support the critical need for workforce development and for a career in Cybersecurity. This program is meant as multi-modal, real-world focused and comprised of hands-on courseware to teach cybersecurity fundamentals, ethical hacking practices, defensive countermeasures, digital forensics as well as the development of enterprise-level programs and policies.
The Cybersecurity AS is designed to align with industry standard certifications (CompTIA: A+, Network+, Linux+, CSA+, CCNA: CyberOps, and Certified Ethical Hacker (CEH)). Additionally, course work will map to industry standard compliance: NSA DHA CAE Knowledge Units and align to NIST/NICE frameworks.

Degree Student Learning Outcome:

Students will be able to:

- Demonstrate foundational knowledge of computer hardware and operating systems for the purposes of digital security-oriented careers.
- Demonstrate foundational and intermediate knowledge of networks and infrastructure for the purposes of digital security-oriented careers.

Program Requirements:

Units required: 30

		Units:
CYBR-111	Cybersecurity Programs & Policies	3.0
CYBR-241	Ethical Hacking and Penetration Testing	3.0
CYBR-251	Network Defense & Countermeasures	3.0
CYBR-260	Cybersecurity Operations & Digital Forensics	3.0
ESYST-131	IoT – Python Programming	3.0
NETECH-111	Computer Maintenance: A+ Certification Prep	3.0
NETECH-113	Data Center	3.0
NETECH-211	Linux+ Certification Prep	3.0
NETECH-219	Security+ Certification	3.0

Plus three units form the following:

NETECH-150	Network Fundamentals (CompTIA Network +)	3.0
NETECH-151	CCNA: Introduction to Networks	3.0