



Division of Science, Technology, Engineering and Mathematics

Cyber Security Certificate

The Cyber Security certificate program prepares students for analyzing, implementing, and maintaining computer information systems. Most of the certificate courses are aligned with the National Initiative for Cybersecurity Education (NICE) framework and Cisco Academy certification guidelines, transferrable to a four-year institution, and prepare students for industry standard certifications. Students are trained with current technology and tools that they need to find an entry-level position as Information Systems technicians.

Successful graduate of this Associate in Science degree will be able to:

1. Identify security threats and vulnerabilities and mitigate the risks by choosing the best protection and prevention methods;
2. Understand the cryptographic systems and can select a cryptographic system based on a specific system's requirements;
3. Use scripting language to implement solutions for network and system administration problems;
4. Maintain and manage a small network of computers;
5. Use network diagnostics tools effectively to evaluate and analyze network issues;
6. Setup, configure, test, and maintain networking devices with effective and up-to-date techniques.