

ADVANCED IT NETWORKING & SECURITY, CERTIFICATE OF COMPLETION

requirements including Information Competency, and General Education requirements.

The Advanced IT Networking & Security Certificate of Completion provides advanced skills in cybersecurity, Windows system administration and cloud management concepts. This certificate will prepare students for a network administrator, computer systems administrator or information security analyst position in Information Technology. It will also prepare students to sit for the following industry certification exams:

- Microsoft AZ-800: Administering Windows Server Hybrid Core Infrastructure
- Microsoft AZ-801: Configuring Windows Server Hybrid Advanced Services
- CompTIA Cybersecurity Analyst+
- CompTIA Network+
- CompTIA PenTest+
- Cisco CCNA

Upon successful completion of the program, students will be able to:

- Apply information security concepts to real world scenarios.
- Apply IT best practices in administering Windows servers on-premises, in the cloud, or in a hybrid environment.
- Design, deploy, maintain and troubleshoot computer networks.

Noncredit Certificate of Completion Requirements

Code	Title	Units
CSIS 472A	Administering Windows Server Core Infrastructure (34 hours lecture, 51 hours lab)	
CSIS 472B	Configuring Windows Server Hybrid Advanced Services (34 hours lecture, 51 hours lab)	
CSIS 476A	Cisco Certified Network Associate (CCNA) 1 (34 hours lecture, 68 hours lab)	
CSIS 476B	Cisco Certified Network Associate (CCNA) 2 (34 hours lecture, 68 hours lab)	
CSIS 476C	Cisco Certified Network Associate (CCNA) 3 (34 hours lecture, 68 hours lab)	
CSIS 486	Network Security Fundamentals/Security+ Prep (34 hours lecture, 68 hours lab)	
CSIS 488	Security Practices: Penetration Testing & Discovery (34 hours lecture, 51 hours lab)	
CSIS 489	Preparation for Cybersecurity Analyst Certification (CYSA+) (34 hours lecture, 68 hours lab)	
CSIS 495	Network Fundamentals (17 hours lecture, 51 hours lab)	
WORK 496 or WORK 499	Professional and Essential Skills (34 hours) Career-Focused Work Experience	
Total Hours		901

Please refer to the program requirements section of the Catalog for information about associate degree requirements and certificate