NETWORK ADMINISTRATION & CYBER SECURITY

ASSOCIATE IN APPLIED SCIENCE (AAS) DEGREE

DESCRIPTION: This program prepares students for employment as Information Technology (IT) professionals in areas such as network administration, cybersecurity, network design, system support, virtualization, and server systems. Successful completion will equip students with the skills and knowledge to plan, install, secure, and maintain LANs, perform maintenance and troubleshooting activities associated with IT equipment and software, as well as work with cloud infrastructures, Amazon web services, and penetration testing. This program helps prepare students for multiple industry recognized certifications.

GENERAL EDUCATION COURSES   **CREDITS: 9**

ENG 111 *or*	ENGLISH COMPOSITION I (3/3) *or*
ENG 121	ADVANCED ENGLISH COMPOSITION I (3/3)
ENG 123 *or*	TECHNICAL COMMUNICATION (3/3) *or*
ENG 112	ENGLISH COMPOSITION II (3/3)
PLS 221 *or*	AMERICAN GOVERNMENT REQUIREMENT (3-6/3-6)
PLS 222 *or*	
HST 221 & HST 222	

CORE PROGRAM REQUIREMENTS   **CREDITS: 52**

BUS 262	PROJECT MANAGEMENT (3/3) **A**
CIS 140	INTRODUCTION TO MICROSOFT CLIENT OS (3/4) **A**
CIS 206	OBJECT ORIENTED PROGRAMMING (3/4)
CIS 241	INTRODUCTION TO WEB DESIGN MGT (3/4)
CIS 258	INTRODUCTION TO ENTERPRISE DATABASE (3/4) **A**
CNS 150	NETWORKING FUNDAMENTALS (3/4) **A**
CNS 155	INTRODUCTION TO ROUTING & SWITCHING (3/3)
CNS 170	PC REPAIR & MAINTENANCE (4/5) **A**
CNS 180	INTRODUCTION TO MICROSOFT SERVER (3/4) **A**
CNS 215	INTRODUCTION TO VIRTUALIZATION (3/4) **A**
CNS 220	ADVANCED MICROSOFT SERVER (3/4) **A**
CNS 230	INFORMATION SECURITY (3/4) **A**
CNS 240	OPEN SOURCE NETWORKING (3/4) **A**
CNS 245	ETHICAL HACKING & PENETRATION TESTING (3/4) **A**
CNS 252	POWERSHELL & SCRIPTING (3/4) **A**
CNS 260	AMAZON WEB SERVICES (AWS) CLOUD PRACTITIONER (3/4) **A**
CNS 295	NETWORK ADMIN/CYBER SECURITY CAPSTONE (3/5) **A**

MINIMUM 61 CREDIT HOURS/79 CONTACT HOURS

NOTES:
A Included in occupational specialty.
GPA of 2.0 or higher must be maintained in occupational specialty courses

YEAR 1 (FALL SEMESTER)   **CREDITS: 16**

CIS 140	INTRODUCTION TO MICROSOFT CLIENT OS (3/4)
CIS 206	OBJECT ORIENTED PROGRAMMING (3/4)
CNS 150	NETWORKING FUNDAMENTALS (3/4)
CNS 170	PC REPAIR & MAINTENANCE (4/5)
ENG 111 *or*	ENGLISH COMPOSITION I (3/3) *or*
ENG 121	ADVANCED ENGLISH COMPOSITION I (3/3)

YEAR 1 (SPRING SEMESTER)   **CREDITS: 15**

CIS 241	INTRODUCTION TO WEB DESIGN MGT (3/4)
CNS 155	INTRODUCTION TO ROUTING & SWITCHING (3/3)
CNS 180	INTRODUCTION TO MICROSOFT SERVER (3/4)
ENG 123 *or*	TECHNICAL COMMUNICATION (3/3) *or*
ENG 112	ENGLISH COMPOSITION II (3/3)
PLS 221 *or*	AMERICAN GOVERNMENT REQUIREMENT (3-6/3-6)
PLS 222 *or*	
HST 221 & HST 222	

YEAR 2 (FALL SEMESTER)   **CREDITS: 15**

BUS 262	PROJECT MANAGEMENT (3/3)
CNS 215	INTRODUCTION TO VIRTUALIZATION (3/4)
CNS 220	ADVANCED MICROSOFT SERVER (3/4)
CNS 230	INFORMATION SECURITY (3/4)
CNS 240	OPEN SOURCE NETWORKING (3/4)

YEAR 2 (SPRING SEMESTER)   **CREDITS: 15**

CIS 258	INTRODUCTION TO ENTERPRISE DATABASE (3/4)
CNS 245	ETHICAL HACKING & PENETRATION TESTING (3/4)
CNS 252	POWERSHELL & SCRIPTING (3/4)
CNS 260	AMAZON WEB SERVICES (AWS) CLOUD PRACTITIONER (3/4)
CNS 295	NETWORK ADMIN/CYBER SECURITY CAPSTONE (3/5)