

## INFORMATION TECHNOLOGY

### ASSOCIATE IN APPLIED SCIENCE (AAS) DEGREE

DESCRIPTION: This program prepares students for employment at Information Technology (IT) professionals in areas such as network administration, cybersecurity, system support, virtualization, and server administration. Successful completion will equip students with the skills and knowledge to plan, install, secure, and maintain enterprise-level technology environments; perform maintenance and troubleshooting activities associated with IT equipment and software; work with cloud infrastructure; and identify and remediate security issues. This program helps prepare students for multiple industry-recognized certifications.

GENERAL EDUCATION COURSES		CREDITS: 9
ENG 111	ENGLISH COMPOSITION I (3/3) <sup>B</sup>	
ENG 112	ENGLISH COMPOSITION II (3/3) <sup>C</sup>	
PLS 221	AMERICAN GOVERNMENT & POLITICS (3/3) <sup>D</sup>	

CORE PROGRAM REQUIREMENTS		CREDITS: 52
BUS 248	BUSINESS COMMUNICATIONS (3/3)	
BUS 262	PROJECT MANAGEMENT (3/3) <sup>A</sup>	
CIS 140	INTRODUCTION TO MICROSOFT CLIENT OS (3/4) <sup>A</sup>	
CIS 206	OBJECT ORIENTED PROGRAMMING (3/4)	
CIS 241	INTRODUCTION TO WEB DESIGN MGT (3/4)	
CIS 258	INTRODUCTION TO ENTERPRISE DATABASE (3/4) <sup>A</sup>	
CNS 150	NETWORKING FUNDAMENTALS (3/4) <sup>A</sup>	
CNS 155	INTRODUCTION TO ROUTING & SWITCHING (3/3)	
CNS 170	PC REPAIR & MAINTENANCE (4/5) <sup>A</sup>	
CNS 180	INTRODUCTION TO MICROSOFT SERVER (3/4) <sup>A</sup>	
CNS 220	ADVANCED MICROSOFT SERVER (3/4) <sup>A</sup>	
CNS 230	INFORMATION SECURITY (3/4) <sup>A</sup>	
CNS 240	OPEN-SOURCE NETWORKING (3/4) <sup>A</sup>	
CNS 245	ETHICAL HACKING & PENETRATION TESTING (3/4) <sup>A</sup>	
CNS 252	POWERSHELL & SCRIPTING (3/4) <sup>A</sup>	
CNS 260	AMAZON WEB SERVICES (AWS) CLOUD PRACTITIONER (3/4) <sup>A</sup>	
CNS 295	NETWORK ADMIN/CYBER SECURITY CAPSTONE (3/5) <sup>A</sup>	

#### MINIMUM 61 CREDIT HOURS/78 CONTACT HOURS

#### NOTES:

<sup>A</sup> Included in occupational specialty.

*GPA of 2.0 or higher must be maintained in occupational specialty courses*

<sup>B</sup> or ENG 121

<sup>C</sup> or ENG 123

<sup>D</sup> or PLS 222 or HST 221 & HST 222

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#### SUGGESTED SEQUENCE OF 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	ENGLISH COMPOSITION I (3/3)	

YEAR 1 (SPRING SEMESTER)		CREDITS: 15
BUS 248	BUSINESS COMMUNICATIONS (3/3)	
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 112	ENGLISH COMPOSITION II (3/3)	

YEAR 2 (FALL SEMESTER)		CREDITS: 15
BUS 262	PROJECT MANAGEMENT (3/3)	
CNS 220	ADVANCED MICROSOFT SERVER (3/4)	
CNS 230	INFORMATION SECURITY (3/4)	
CNS 240	OPEN-SOURCE NETWORKING (3/4)	
PLS 221	AMERICAN GOVERNMENT & POLITICS (3/3)	

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)	