

Associate in Applied Science

# Networking Technology (A25340)

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## Overview

The Networking Technology curriculum prepares individuals for employment supporting network infrastructure environments. Students will learn how to use technologies to provide reliable transmission and delivery of data, voice, image, and video communications in business, industry, and education.

Course work includes design, installation, configuration, and management of network infrastructure technologies and network operating systems. Emphasis is placed on the implementation and management of network software and the implementation and management of hardware such as switches and routers.

Graduates may find employment in entry-level jobs as local area network managers, network operators, network analysts, and network technicians. Graduates may also be qualified to take certification examinations for various network industry certifications, depending on their local program. Networking Technology is designed to prepare students for a variety of roles within the Network Infrastructure and broader IT fields.

The US Department of Labor projects the Networking field will be the second fastest growing career area nationally between 2002 and 2012 and that over 100,000 jobs will be added in this field by 2012. Students receive significant hands on experience in the study of Network Infrastructure and System Administration. The primary emphasis will be the implementation of a secure, reliable and robust network infrastructure and directory service environment. The program leads to an AAS degree. The program centers on the following industry certifications: Microsoft MCSA, Cisco CCNA, Network+, Security+, A+, Linux+.

## Optimum / Recommended Plan of Study

### Semester 1 (Fall):

	Class	Lab	Credits
CIS 110 Introduction to Computers	2	2	3
NOS 110 Operating Systems Concepts	2	3	3
NET 125 Networking Basics	1	4	3
CTS 115 IS Business Concepts (BUS 110 may substitute)	3	0	3
Behavioral / Soc. Science Electives			<u>3</u> 15

### Semester 2 (Spring):

NOS 120 Linux/Unix Single User	2	2	3
NOS 130 Windows Single User	2	2	3
SEC 110 Security Concepts	3	0	3
NET 126 Routing Basics	1	4	3
CTS 120 Hardware/Software Support (CET 111 Hardware A+ may substitute)	2	3	<u>3</u> 15

### Summer:

ENG 111 Expository Writing	3	0	3
COM 110 Introduction to Communication (COM 120 or COM 231 may substitute)	3	0	3
MAT 140 Survey of Mathematics (MAT 161 or MAT 121 may substitute)	3	0	<u>3</u> 9

### Semester 3 (Fall):

ENG 114 Professional Research & Reporting (ENG 112 or ENG 113 may substitute)	3	0	3
DBA 110 Database Concepts	2	3	3
NOS 230 Windows Admin I	2	2	3
NET 225 Routing & Switching I	1	4	3
NET 226 Routing & Switching II	1	4	<u>3</u> 15

### Semester 4 (Spring):

CIS 115 Introduction to Programming	2	2	3
NOS 231 Windows Admin II	2	2	3
NET 289 Networking Project	1	4	3
Technical Elective			3
Humanities / Fine Arts Elective			<u>3</u> 15

Students must complete a minimum of 3 SHC of electives from the following course prefixes: COE\*\*, NET, NOS, SEC.

\*\* A maximum of 3 credit hours with COE prefix.

**Total Credit Hours: 69**

## Use Information Technology To Get There!

**FIRST STEP TO ENROLL:**  
Complete online admission form.

*Consult a faculty advisor or College counselor prior to registration.*

**For More Information:**  
Consult Faculty Advisor in the Heading.

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