

# NETWORK SYSTEMS TECHNOLOGY, ASSOCIATE IN SCIENCE

**Program Code:** NSAS

**Meta-Major:** STEM

**Location(s):** Cocoa, Melbourne, Palm Bay, Titusville, Online

**Delivery Method(s):** On-Campus, Hybrid

**Previous Degree Required:** HS Diploma

**Eligible for Financial Aid:** Yes

**Additional Limited Access Application Process Required:** No

**Program Testing Requirements:** CPT - Common Placement Test (PERT, ACCUPLACER, SAT, ACT)

**Classification of Instructional Programs (CIP) Code:** 11.1001

**Florida Department of Education CIP Code:** 1511100112

The Network Systems Technology A.S. degree program has the following associated College Credit Certificates (CCCs):

- [IP Communications CCC](#)
- [Network Infrastructure CCC](#)
- [Network Security CCC](#)
- [Network Server Administration CCC](#)
- [Network Support Technician CCC](#)
- [Network Virtualization CCC](#)

This degree program provides students with the training necessary to install, secure, maintain, and troubleshoot computer networks. The curriculum includes both hands-on experience and theoretical knowledge. Students will gain general and specific knowledge of the current "industry standard" network systems at the LAN and WAN levels, using both software and hardware based course offerings. The students will develop skills in multi-user/multi-process operating systems, troubleshooting, network protocols, network administration management, client-server, application administration, cloud networking, network security and defense, and virtual computing. Graduates will be prepared to take certification exams in current networking operating systems and technologies. Typical employment positions for graduates of this program include entry-level system administrators, network technicians, and help desk staff.

[Visit the program page for more details and how to apply.](#)

## Program Requirements

Code	Title	Credit Hours
<b>General Education Courses</b>		
ENC 1101	Composition 1	3
<a href="#">Humanities Core Requirement</a>		3
<a href="#">Mathematics Core Requirement</a>		3
<a href="#">Natural Science Core Requirement</a>		3
<a href="#">Social/Behavioral Science/Core-Civic Literacy Requirement</a>		3
<b>Computer Programs - Core Courses</b>		
CET 1176	Computer Maintenance and Repair	3
CGS 1000	Exploring Digital Technology	3
CGS 2100	Microcomputer Applications	3

COP 2700	Database Techniques	3
CTS 1142	Information Technology Project Management	3
CTS 1329	Microsoft Client O/S	3
CTSC 1134	Network+	3
<b>Major Courses</b>		
CETC 2890	Cybersecurity	3
CTS 1321	Linux Networking and System Administration	3
CTS 1383	Microsoft Server O/S - Installation and Configuration	3
CTS 2370	Virtual Infrastructure- Planning and Design	3
CTSC 1651	Cisco Router Technology	3
CTSC 2120	Network Security Fundamentals	3
<b>Elective Courses</b>		
Select 6 credits from the following:		6
CET 2894	Capstone in Cybersecurity	
CIS 2381	Foundations of Digital Forensics	
CTS 2371	Virtual Computing- Deployment, Security, and Analysis (VMware)	
CTSC 2652	Cisco Advanced Router Technology	
MAT 1033	Intermediate Algebra	
<b>Total Credit Hours</b>		<b>60</b>

## Learning Outcomes: Network Systems Technology A.S.

1. Apply subnetting to IP Networks
  - *Supports Core Ability: Think Critically and Solve Problems*
2. Analyze user authentication methods
  - *Supports Core Ability: Think Critically and Solve Problems*
3. Design a group policy strategy
  - *Supports Core Ability: Think Critically and Solve Problems*
4. Install a domain controller
  - *Supports Core Ability: Think Critically and Solve Problems*
5. Contrast absolute and relative pathnames
  - *Supports Core Ability: Think Critically and Solve Problems*
6. Contrast stand-alone utilities and built-in shell commands
  - *Supports Core Ability: Think Critically and Solve Problems*
7. Create a small workgroup environment
  - *Supports Core Ability: Think Critically and Solve Problems*
8. Organize user accounts into logical group accounts
  - *Supports Core Ability: Think Critically and Solve Problems*
9. Analyze the primary functions and features of a router
  - *Supports Core Ability: Think Critically and Solve Problems*
10. Design a hierarchical addressing scheme
  - *Supports Core Ability: Think Critically and Solve Problems*