

Information Technology Career Academy

Networking Systems

SCTHS-014-BI-Information Tech



The Networking Systems program of study explores the occupations and educational opportunities associated with designing and implementing computer and information networks, such as local area networks (LAN), wide area networks (WAN), intranets, extranets, and other data communications networks. This program of study may also include exploration into analyzing science, engineering, and other data processing problems to implement and improve computer systems.

Secondary Courses for High School Credit

Level 1

- Dual Credit Information Technology Courses with Lee College

Level 2

- Dual Credit Information Technology Courses with Lee College

Level 3

- Dual Credit Information Technology Courses with Lee College

Level 4

- Dual Credit Information Technology Courses with Lee College

Postsecondary Opportunities

Associates Degrees

- Computer and Information Sciences, General
- Computer Systems Networking And Telecommunications
- Information Technology
- Network and System Administration/ Administrator

Bachelor's Degrees

- Computer and Information Sciences, General
- Computer Systems Networking And Telecommunications
- Computer and Information Systems Security/ Information Assurance
- Computer Engineering, General

Master's, Doctoral, and Professional Degrees

- Computer and Information Sciences, General
- Information Technology
- Computer and Information Systems Security/ Information Assurance
- Computer Engineering, General

Work-Based Learning and Expanded Learning Opportunities

Exploration Activities

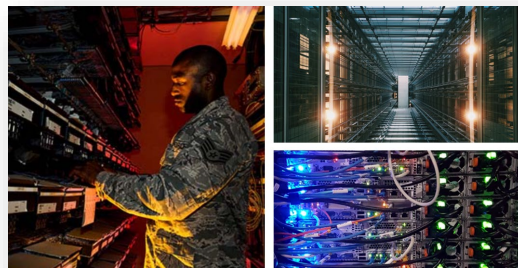
- Join TSA
- Job shadow a computer network architect or support specialist

Work-Based Learning Activities

- Earn an IT certification

Industry-Based Certifications

- CompTIA A+ Certification



Aligned Occupations

Occupations	Median Wage	Annual Openings	% Growth
Computer Network Architects	\$111,633	1,082	23%
Computer Systems Analysts	\$87,568	5,937	29%
Computer Network Support Specialists	\$68,037	1,824	19%

Successful completion of the Networking Systems program of study will fulfill requirements of the Business and Industry endorsement or STEM endorsement if the math and science requirements are met. Revised – October 2022

COURSE INFORMATION

DUAL CREDIT WITH LEE COLLEGE

Information Technology Academy students have the opportunity to earn the Certificate of Completion in Network Maintenance Technology and Associates of Applied Science in Network Maintenance Technology.

BCIS 1305 Business Computer Applications
CPMT 1411 Introduction to Computer Maintenance
IMED 1316 Web Design I
ITNW 1425 Fundamentals of Networking Technology
ITSC 1416 Linux Installation and Configuration (Year Long)
ITNW 2412 Routers
ITNW 2453 Advanced Routers and Switches
ITSY 1342 Information Technology Security
ITCC 1408 Intro to Voice over Internet Protocol (VoIP)
ITSE 1402 Computer Programming
ITMT 1457 Administering a Windows Server
ITDF 1300 Introduction to Digital Forensics

All courses are subject to change by Lee College. Please see cohort layout document for course order and high school alignment.