

# Welcome to Summer Tech Experience 2023



Learn and certify in networking and cybersecurity skills during 9 weeks of the Summer and for FREE

By the end of the summer, you could be on your way to securing a job in one of the nation's most in-demand and lucrative industries - information technology!

**Cisco, shift\_ed, Forsyth Technical Community College and Manpower Group** are offering a **FREE summer** learning experience that will teach skills in two pathways: networking and cybersecurity.

- Self-paced, virtual instruction from June 1-July 31
- Free to participate.
- Open to 2023 High School Graduates
- Open to all potential College age students

Students who have completed at least one pathway by July 31 will receive a Certiport voucher, paid for by shift\_ed and redeemable for a certification test facilitated by Forsyth Tech.

## CCST Network Technician Career Path

Networks keep the digital world connected. Learn how networks work and gain employable skills to start your tech career.



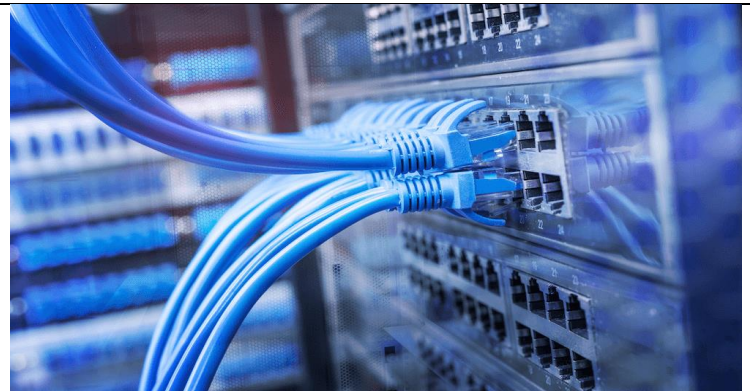
Beginner



70 Hours



Certification



Networking technology powers the Internet. Networks make it possible for us to use social media, streaming services like Netflix, ride-hailing services like Uber, online shopping through Amazon, and much more. Put simply, networks are critical for every industry, which is why demand for networking skills keeps rising. A strong foundational knowledge of networks can lead to a successful career in IT.

The Network Technician Career Path prepares you for the entry-level Cisco Certified Support Technician (CCST) Network certification and entry-level roles such as Network Support Technician, Entry-level Help Desk Technician, or IT Support Specialist. You will learn how networks operate, including the devices, media, and protocols that enable network communication. Develop key skills so you can perform basic troubleshooting, using effective methodologies and help desk best practices.

# CCST Network Technician Career Path – Outline

## COURSE 1: Network Basics

22 Hours  
19 Labs  
Self-paced



\*Earn this badge upon completion

[Click HERE to register for Course 1](#)

Once the course is complete and you have received your badge, continue learning networking essentials and build your foundational skills by registering in Course 2.

## COURSE 2: Networking Devices and Initial Configuration

22 Hours  
13 Labs  
Self-paced



\*Earn this badge upon completion

[Click HERE to register for Course 2](#)

Once the course is complete and you have received your badge, continue learning networking essentials and build your foundational skills by registering in Course 3.

## Course 3: Network Addressing and Basic Troubleshooting

14 Hours  
8 Labs  
Self-paced



\*Earn this badge upon completion

[Click HERE to register for Course 3](#)

Once the course is complete and you have received your badge, continue learning Network Addressing and Basic Troubleshooting skills by registering in **Course 4**.

## Course 4: Network Support and Security

12 Hours  
0 Labs  
Self-paced



\*Earn this badge upon completion

[Click HERE to register for Course 4](#)

Once the course is complete and you have received your badge, test your knowledge on content from the entire Network Technician Career Path and earn a digital badge to verify your skills. by registering for the **EXAM**.

## EXAM: Network Technician Career Path Exam

40 Questions



\*Earn this badge upon completion

## Instructor Information:

**Nancy Miller**

Associate Professor, Network Management  
Thomas H. Davis iTEC Cybersecurity Center  
Forsyth Technical Community College

[nmiller@forsythtech.edu](mailto:nmiller@forsythtech.edu)

After completing the entire Network Technician pathway and receiving the badges for each of the 4 courses [Click here to register for the Network Technician Pathway Exam](#)  
You must score a passing grade to be eligible for the course badge.

Please reach out to Nancy if you have questions or concerns during the course duration!

You've earned an industry certification voucher! This will provide you with a free opportunity to take the CCST Network Technician Exam at ForsythTech!

KEEP LEARNING  
Register for additional pathway below

## CCST Cybersecurity Career Pathway

Cyber attacks increase with every digital connection made around the world. Learn how to protect and defend an organization and gain employable skills to start your cyber career.



Beginner



120 Hours



Certificate



Cyber threats affect us all, and cybersecurity jobs continue to grow. In fact, cybersecurity failure is among the top 5 global risks according to the World Economic Forum Global Risks Report (2021). The world needs diverse, tech-savvy cyber professionals to defend against shrewd digital adversaries.

This Junior Cybersecurity Analyst Career Path prepares you for the entry-level Cisco Certified Support Technician (CCST) Cybersecurity certification and entry-level cybersecurity positions such as Cybersecurity Technician, Cybersecurity Analyst, or Tier 1 Help Desk Support roles. You will learn vital skills like threat intelligence, network security, and risk management to protect yourself and organizations from cyber attacks. If you enjoy solving puzzles, are passionate about technology, and like working in teams, the field of cybersecurity may be a great fit for you!

## CCST Junior Cybersecurity Analyst Career Path Outline

### COURSE 1: Introduction to Cybersecurity

6 Hours  
7 Labs  
Self-paced

### COURSE 2: Network Basics

*If you completed this course in the CCST Network Technician path, you do not need to complete it again and may move on to course 3.*  
22 Hours  
19 Labs  
Self-paced



\*Earn this badge upon completion

[Click Here to Register for Course 1](#)

Once the course is complete and you have received your badge, continue learning while exploring the exciting field of cybersecurity and why cybersecurity is a future-proof career by registering in **Course 2**.



\*Earn this badge upon completion

[Click HERE to register for Course 2](#)

*If you completed this course in the CCST Network Technician path, you do not need to complete it again and may move on to course 3.*

Once the course is complete and you have received your badge, continue learning the basics of computer networking and discover how networks operate by registering **Course 3**.

### COURSE 3: Networking Devices and Initial Configuration

*If you completed this course in the CCST Network Technician path, you do not need to complete it again and may move on to course 4.*

22 Hours

13 Labs

Self-paced



\*Earn this badge upon completion

[Click HERE to register for Course 3](#)

*If you completed this course in the CCST Network Technician path, you do not need to complete it again and may move on to course 4.*

Once the course is complete and you have received your badge, continue learning to secure your network all the way to the edge by registering in **Course 4**.

### COURSE 4: Endpoint Security

27 Hours

31 Labs

Self-paced



\*Earn this badge upon completion

[Click HERE to register for Course 4](#)

Once the course is complete and you have received your badge, continue learning how to monitor and protect your network and evaluate security alerts by registering in **Course 5**.

### COURSE 5: Network Defense

27 Hours

29 Labs

Self-paced



\*Earn this badge upon completion

[Click HERE to register for Course 5](#)

Once the course is complete and you have received your badge, continue learning about cybersecurity governance

### COURSE 6: Cyber Threat Management

16 Hours

16 Labs

Self-paced



\*Earn this badge upon completion

[Click HERE to register for Course 6](#)

Once the course is complete and you have received your badge, continue to complete the **EXAM**.

and build your skills to manage threats by registering in **Course 6.**

## EXAM: Cybersecurity Career Path Exam

50 Questions



\*Earn this badge upon completion

**After completing the entire Cybersecurity pathway and receiving the badges for each of the 6 courses,**

[Click here to take the Cybersecurity Pathway Exam](#)

You must score a passing grade to be eligible for the course badge.

## Instructor information

**Mike Smith**

Instructor, Network Management

Thomas H. Davis iTEC Cybersecurity Center  
Forsyth Technical Community College

[masmith@forsythtech.edu](mailto:masmith@forsythtech.edu)

Please reach out to Mike if you have questions or concerns during the class duration.

**You've earned an industry certification voucher! This will provide you with a free opportunity to take the CCST Cybersecurity Exam at ForsythTech!  
You will receive an email in the near future with instructions.**