CTE PATHWAY:
Information Technology - Networking & Cybersecurity
(C25590HN)

WILSON COMMUNITY COLLEGE

Career & College Promise (CCP)

CCP provides opportunities for eligible NC high school students to take **TUITION-FREE,** college courses for dual credit (some students may have to pay for textbooks and materials). Taking CCP courses accelerates completion of college certificates, diplomas, applied associate degrees that provide entry-level job skills, and associate degrees that lead to transfer within the UNC System of 4-year colleges and universities and many private institutions.

General Admission Requirements

- College CCP Application
- High School Transcript
- Verification Form

Information Technology - Networking & Cybersecurity Pathway
Eligibility Requirements

- High School Junior or Senior
- Unweighted GPA of 2.8 or higher, **OR**, demonstrate college readiness in English, reading and math on approved assessments.
- If GPA is below 2.8, principles/designees can waive the GPA and provide rationale for waiver.

NC CAREER & COLLEGE PROMISE

About the Information Technology - Networking & Cybersecurity Pathway:

This pathway is a portion of the Information Technology Networking and Cybersecurity Track- Associate of Applied Science Degree. These courses prepare students for employment in the technology sector as designers, testers, support technicians, system administrators, developers, or programmers who use computer software and/or hardware to design, process, implement and manage information systems in specialties such as database services, security, business intelligence, healthcare informatics and others depending on the technical path selected within this curriculum.

You will learn:

Graduates in the Networking and Cybersecurity track will have the skills and knowledge to design, install, configure, manage, and secure a network infrastructure and be prepared to sit for CCNA (Cisco Certified Network Associate) Routing & Switching, Cisco Certified CyberOps Associate (CCCA), CompTIA A+, CompTIA Security+, CompTIA Linux+, and Microsoft Windows Desktop and Server industry certifications.

Information Technology - Networking & Cybersecurity Certificate**				
	Title	**Class**	**Lab**	**Credit**
FA	NET 125 Introduction to Networks	1	4	3
SP	NET 126 Switching & Routing * *Pre-Req NET 125 recommended*	1	4	3
FA	NET 225 Enterprise Networking *Pre-Req NET 126 recommended*	1	4	3
SP	SEC 110 Security Concepts	2	2	3
FA	SEC 151 Intro to Protocol Analysis *Pre-Req NET 125, 126 & SEC 110 recommended*	2	3	3
FA	SEC 160 Security Admin I *(PreReq SEC 110 and NET 125 recommended)*	2	2	3
Total Semester Hours Credit for Certificate				**18**

**Sequence NET125, 126, and 225 recommended for CCNA Routing and Switching certification prep
**All courses remommended Windows OS with ability to install software, if necessary

Median Annual Wage for NC Computer Network Support Specialists $82,050

NCCareers.org

Revised 6-15-24 TH; Revised 3-6-23 TH; Revised 6-6-22 TH; Revised 02/16/2022 KS

High School → **CCP Dual Enrollment (College/HS concurrently)** → **After High School (post-graduation)**

High School

COMPLETE GRAD REQUIREMENTS

- English (4), Math (4), Social Studies, Science (3), PE/Health, electives

SUGGESTED HS ELECTIVES:

- Computer Science Principles I & II
- Python Programming, I & II
- Microsoft Word and PowerPoint
- Microsoft Excel

WCC IT- Net & Cybersecurity Pathway

CCP JUNIOR YEAR

- NET 125 Intro to Networks
- NET 126 Switching & Routing
- SEC 110 Security Concepts

CCP SENIOR YEAR

- SEC 151 Intro to Protocol Analysis
- SEC 160 Security Admin I
- NET 225 Enterprise Networking

WCC IT- Net & Cybersecurity AAS Degree

GEN ED

- English, Math, Social Science, Critical Thinking

IT NET & CYBERSECURITY CLASSES:

- Intro to Computers
- Web Pgm. & DB Foundation
- Network & Sec. Foundation
- Intro to Programming & Logic
- Windows Single User
- Hardware/Software Support
- Linux/UNIX Single User
- Virtualization Concepts
- Info Systems Business Concepts
- Emerging Technologies
- Windows Admin I
- World of Work

ADDITIONAL REQ CLASS:

- College Student Success