



Curriculum Plan 2024-2025

Program: Computer Networking and Cyber Security

CTSO Primary: BPA

CTSO Secondary: N/A

Pathway: N4

WebXam: 85MD

Courses Offered

Level 1 Curriculum

Semester 1 Network Operating Systems

Semester 2 Routing And Switching

Level 2 Curriculum

Semester 1 Network Security

Semester 2 Cyber Security Defense And Reinforcement

Level 2-Pre-Apprenticeship Half Day Curriculum

Semester 1 Network Security

Semester 1 Pre-apprenticeship

Semester 2 Cyber Security Defense And Reinforcement

Semester 2 Pre-apprenticeship

Level 2-Advanced Placement Curriculum

Semester 2 Information Technology Capstone

College Credits Available

| Name | College | Semester Hours Available |
|--|---------------------------|--------------------------|
| CTIT017 Cisco I: CCNA 7 - Introduction to Networks, Must meet CTAG qualifications to earn, CIS 1411 Cisco Network Fundamentals | CTAG and Sinclair College | 3 |
| CTIT016 Linux, ODE Course 145040 (Network Operating Systems) | CTAG | 3 |
| CTIT018 Cisco II: CCNA 7 - Switching, Routing and Wireless Essentials (SRWE), Must meet CTAG qualifications to earn, CIS 2416 Routing and Switching Essentials | CTAG and Sinclair College | 4 |
| CTIT015 CompTIA Security +, ODE Course 145050 (Network Security) | CTAG | 3 |
| CTIT019 Cisco III: CCNA 7 - Enterprise Networking, Security, and Automation (ENSA), Must meet CTAG qualifications to earn, CIS 2421 Scaling and Networking | CTAG and Sinclair College | 4 |
| CTCYBR001 Cybersecurity Fundamentals, ODE Course 146010 (Cybersecurity Defense and Reinforcement) | CTAG | 3 |
| BIS 1120 Introduction to Software Applications | Sinclair College | 3 |

Credentials Available

| Name | ODE Points Available |
|--|----------------------|
| CISCO Certified Support Technician (CCST) Cybersecurity | 0 |
| Ohio Driver's License | 1 |
| CISCO Certified Network Associate (CCNA) | 12 |
| CISCO Certified Technician Routing and Switching | 6 |
| Microsoft Office Specialist Word Associate (2019 or later) | 3 |
| Microsoft Office Specialist Access Expert (2019 or later) | 3 |
| Microsoft Office Specialist Excel Associate (2019 or later) | 3 |
| Microsoft Office Specialist Powerpoint Associate (2019 or later) | 3 |
| Microsoft Office Specialist Outlook Associate (2019 or later) | 3 |
| Cisco Certified Network Professional Enterprise (CCNP) | 12 |
| CISCO Certified Support Technician (CCST) Networking | 0 |