

NETWORK ENTERPRISE ADMINISTRATOR

Overview

Network Enterprise Administrator Technical Diploma

Program Code: 31-150-4

For more information: www.wctc.edu/network-enterprise-admin (<http://www.wctc.edu/network-enterprise-admin/>)

Computer networks are a critical part of almost every organization and affect our daily lives. Network enterprise administrators are responsible for the day-to-day operations and security of these networks. Gain valuable hands-on experience in computer hardware, Cisco networking, Microsoft and Linux operating systems, virtualization/storage technologies and security system hardening techniques.

The minimum required course grades and program grade point average (GPA) for students under this catalog are:

Core Courses = C
Program GPA = 2.0

Build your degree along a career pathway. Start with a couple of courses or an entry-level credential to enter the job market in your area of interest, then continue with higher credentials on your educational path for job advancement and higher wages.

Career Pathway

1. Network Enterprise Administrator 28
2. IT-Cloud Technical Solution Specialist 27
3. IT-Network Specialist 62

Related Certificates that can be earned along the way.

- Enterprise Support Technician Technical Certificate (<https://catalog.wctc.edu/programs/enterprise-support-technician/>)
- IT Network Support Specialist Technical Certificate (<https://catalog.wctc.edu/programs/network-support-specialist/>)
- Storage and Virtualization Administrator Technical Certificate (<https://catalog.wctc.edu/programs/storage-virtualization-administrator/>)
- IT Security Administrator Technical Certificate (<https://catalog.wctc.edu/programs/security-administrator/>)
- Cisco CCNA Technical Certificate (<https://catalog.wctc.edu/programs/cisco-ccna/>)
- CAE2Y Cybersecurity Technical Certificate (<https://catalog.wctc.edu/programs/cae2y-cybersecurity/>)

Learning Outcomes

Program Outcomes

1. Implement computer networks.
2. Implement server operating systems.
3. Implement network security components.
4. Troubleshoot network systems.

Critical Life Skills

To help our students prepare for success in a workplace and society that is **increasingly global, multicultural and collaborative**, we provide curricular and co-curricular opportunities to develop critical life skills. WCTC is committed to teaching all students the following skills:

- **Communication:** Demonstrate appropriate communication.
- **Critical Thinking/Problem Solving:** Demonstrate critical thinking skills to analyze situations and solve problems.
- **Relationships:** Demonstrate effective interpersonal skills.
- **Self-management:** Demonstrate responsible and respectful behavior.

Required Courses

Listed below are the required courses for the program. To view the recommended sequence for taking courses click on the plan of study tab(s) above. Work with your Academic Advisor to design a program plan!

View your **Program Matrix** to find out when each course will be offered (term and time of day).

| Code | Title | Credits |
|------------------------------|---|-----------|
| Core Courses | | |
| 150-117 | Introduction to Cisco Networks <small>Cisco 1, take 1st</small> | 3 |
| Approved Substitute: 150-175 | | |
| 150-118 | Switching Routing & Wireless <small>Cisco 2, take 2nd</small> | 3 |
| Approved Substitute: 150-176 | | |
| 150-121 | Enterprise Clients | 3 |
| 150-137 | MS Server | 3 |
| 150-165 | Cloud AWS | 3 |
| 150-172 | Wireless Technology | 3 |
| 150-188 | Linux Essentials | 3 |
| 151-106 | Security I | 3 |
| Approved Substitute: 151-101 | | |
| 152-101 | Python Programming | 1 |
| 631-183 | IT Essentials | 3 |
| Total Credits | | 28 |

Full-time Plan

| | | |
|----------------------|--------------------------------|----------------|
| First Year | | |
| Fall Term 1 | | Credits |
| 150-188 | Linux Essentials | 3 |
| 631-183 | IT Essentials | 3 |
| Credits | | 6 |
| Fall Term 2 | | |
| 150-137 | MS Server | 3 |
| 150-117 | Introduction to Cisco Networks | 3 |
| Credits | | 6 |
| Spring Term 1 | | |
| 150-165 | Cloud AWS | 3 |
| 150-172 | Wireless Technology | 3 |
| Credits | | 6 |

Spring Term 2

| | | |
|----------------|--------------------|----------|
| 150-121 | Enterprise Clients | 3 |
| 152-101 | Python Programming | 1 |
| Credits | | 4 |

Second Year**Fall Term 1**

| | | |
|----------------------|------------------------------|-----------|
| 150-118 | Switching Routing & Wireless | 3 |
| 151-106 | Security I | 3 |
| Credits | | 6 |
| Total Credits | | 28 |