

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 63

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/>)
- CAE-CD Cybersecurity Technical Certificate (<https://catalog.wctc.edu/programs/cae-cd-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

Part-time, Fall Start Plan

First Year		
Fall Term 1		Credits
150-188	Linux Essentials	3
631-183	IT Essentials	3
		Credits
		6
Fall Term 2		
150-117	Introduction to Cisco Networks	3
150-137	MS Server	3
		Credits
		6
Spring Term 1		
150-121	Enterprise Clients	3
152-101	Python Programming	1
		Credits
		4

Spring Term 2

150-165	Cloud AWS	3
150-172	Wireless Technology	3
Credits		6

Second Year**Fall Term 1**

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

Part-time, Spring Start Plan

First Year

Spring Term 1		Credits
150-188	Linux Essentials	3
631-183	IT Essentials	3
Credits		6

Spring Term 2

150-117	Introduction to Cisco Networks	3
150-137	MS Server	3
Credits		6

Summer Term

152-101	Python Programming	1
Credits		1

Fall Term 1

150-118	Switching Routing & Wireless	3
150-121	Enterprise Clients	3
Credits		6

Fall Term 2

150-165	Cloud AWS	3
Credits		3

Second Year**Spring Term 1**

151-106	Security I	3
Credits		3

Spring Term 2

150-172	Wireless Technology	3
Credits		3
Total Credits		28