



IT - Network Security Specialist



61-credit Associate of Applied Science Degree

For more information: www.wctc.edu/cyber-spec

In the program, discover how to protect data confidentiality, integrity and availability while learning ways to implement security mechanisms to mitigate attacks from various vectors. Emphasis is placed on vigilant security awareness, identifying network threats and deploying appropriate incident responses.

Through hands-on lab work, delve into topics including penetration testing, log analysis, digital forensics, the implementation of firewalls, wireless security and incident response, as well as defenses, countermeasures, and understanding legal and ethical issues associated with information security. Analyze a variety of network operating systems, firewalls, virtual private networks (VPN), packet filters and intrusion detection systems (IDS) to maximize information security in the network.

- Prepare for jobs such as information security analyst, security engineer, security specialist and security administrator.
- WCTC is proud to be the only college in Wisconsin to earn the designation of Center of Academic Excellence-Two Year Education (CAE2Y) from the National Centers of Academic Excellence in Cyber Defense (CAE-CD).
- As a complement to the IT-Network Security Specialist program, several specialized, short-term IT certificates are available.
- Some credits earned in the Network Enterprise Administrator technical diploma can be applied to this associate degree program.

PROGRAM CODE 10-151-2

Credits

CORE COURSES:

| | | |
|---------|----------------------------------|---|
| 150-175 | Cisco1-Intro to Networks | 4 |
| 150-188 | Linux Essentials | 3 |
| 151-101 | IT Security Essentials | 2 |
| 150-136 | MS Server 2012 Install/Config | 3 |
| 150-156 | Data Security | 4 |
| 150-168 | Wireless Networking and Security | 3 |
| 150-154 | Shell Scripting | 2 |
| 107-103 | IT Business Strategies | 3 |
| 150-161 | Ethical Hacking | 3 |
| 151-103 | Firewall Security | 3 |
| 151-104 | Intrusion Detection | 3 |
| 107-184 | IT Capstone | 2 |
| 150-169 | Business Continuity Planning | 3 |
| 151-102 | Log Analysis | 3 |
| 151-105 | Digital Forensics | 3 |
| 107-137 | IT Internship | 1 |

GENERAL STUDIES:

| | | |
|---------|-------------------------------|---|
| 801-136 | English Composition 1 | 3 |
| 801-198 | Speech | 3 |
| 804-133 | Math & Logic | 3 |
| 890-108 | Employment Success | 1 |
| 809-199 | Psychology of Human Relations | 3 |
| 809-195 | Economics | 3 |

FALL START ONLY

Curriculum is current as of printing. For available proficiency exams, course prerequisites or specialty program courses, visit www.wctc.edu.

This is a Blended Options program only.

- Accelerated
- Two nights per week
- Prior learning credit

Learn more at www.wctc.edu/blended-options.