Cybersecurity and Network Systems

Get comprehensive training in network installation and administration along with security controls, ethical hacking, incident response, and disaster recovery.

The Cybersecurity and Network Systems program covers the full range of skills you need to build, protect, and maintain an organization's network.

By learning the tools and techniques of both cybersecurity and networking, you get a more complete understanding of how data flows, where vulnerabilities lie, and how to build defenses that are both effective and scalable. You'll be able to not only detect and respond to threats, but also anticipate and prevent them through smart network design and configuration.

Program Length: **17 months**
Includes 8-week Internship

Program Delivery: **Online**

CAREER OUTLOOK

Graduates of this program are qualified for entry-level IT positions. Once they get their foot in the door, they can work their way up to a cybersecurity role.

Employment Statistics

80%

Percentage of 2025 Herzing College Available Graduates Employed in a Related Field*

PROSPECTIVE JOB TITLES

Technical support specialist, Security operations analyst, Network security analyst, Security systems analyst, Network operations analyst

PROSPECTIVE EMPLOYERS

IT firms, Government agencies, Financial services firms
Healthcare organizations, Utilities and energy companies, Retailers
Manufacturing and transportation companies

Employment statistics based on most recent available. Not all programs and learning formats available at all campus locations. Information in this document is subject to change. Updated Jan.19.2026

Cybersecurity and Network Systems

ADMISSION REQUIREMENTS

- Minimum of a Canadian provincial high school diploma or equivalent, or a mature student
- Pass an entrance test administered by Herzing College
- Be interviewed in detail regarding interest in the field
- Note: admission to some programs may include additional requirements

STUDY TOPICS

Herzing's Cybersecurity and Network Systems program covers the full range of skills you need to build, protect, and maintain an organization's network.

In this program, you will learn how to:

- Identify insecurely configured VLANs, determine firewall requirements, and assess network routers
- Configure secure Windows systems
- Identify common security issues in Unix-like operating systems
- Evaluate the security of web applications
- Design, manage, and secure data, applications, and infrastructure in a cloud environment
- Implement cybersecurity controls
- Conduct ethical hacking
- Restore networks to an operational state