

Cybersecurity

Technical Diploma

The Cybersecurity Technical Diploma will equip students with the knowledge and skills to develop a career in the field of cybersecurity. In an increasingly interconnected world, cybersecurity has become a critical component of safeguarding digital assets and protecting sensitive information. This program builds requisite IT and Networking skills and covers a variety of important cybersecurity topics while helping prepare learners for the Security+, Network+, CySA+, and EC-Council Certified Ethical Hacker certifications.

Program Outline

TERM 1		
Course #	Course Title	Credits
1080119500	<p>Written Communication</p> <p>Develops writing skills which include prewriting, drafting, revising, and editing. A variety of writing assignments is designed to help the learner analyze audience and purpose, research and organize ideas, and format and design documents based on subject matter and content. Also develops critical reading and thinking skills through the analysis of a variety of written documents.</p>	3.00
1015110500	<p>Digital Literacy with Cyber Security</p> <p>This course will cover identifying and differentiating between major computer components, Microsoft Windows operating system and application operations, computing environment issue troubleshooting, making connections between office network devices, file management, and basic cybersecurity threats and best practices.</p>	1.00
1015011400	<p>Network+ Fundamentals</p> <p>This course explores network cabling and hardware devices, switching and routing, security, addressing, Ethernet and wireless, LANs and WANs, operations and management, and optimization and troubleshooting. This course is aligned with the CompTIA Network+ (N10-008) certification exam.</p>	3.00
1015114000	<p>IT Security</p> <p>This course explores the threats, attacks, and vulnerabilities to an organization's devices, applications, and infrastructure throughout the enterprise. Tools, techniques, and technologies will further the exploration that help assess, secure, and monitor organizational assets as well as respond, investigate, and recover from incidents. This course is aligned with the CompTIA Security+ certification exam.</p>	3.00
1015113000	<p>Cybersecurity Analyst</p> <p>This course explores security vulnerability assessment and management, threat intelligence and hunting, system and network architecture, vulnerability assessments, network security and management, host-based attacks, and post-attack response. This course is aligned with the CompTIA Cybersecurity Analyst (CS0-003) certification exam. Prerequisites: 1015114000 IT Security (C or better) and 1015011400 Network Plus Fundamentals (C or better).</p>	3.00
1015113500	<p>Ethical Hacking</p> <p>This course explores security penetration testing, system hacking, malware and sniffers, reconnaissance and enumeration, session hijacking and DoS, firewalls and honeypots, SQL injections and cryptography, and more. This course is aligned with the EC-Council Certified Ethical Hacker certification exam. Prerequisites: 1015114000 IT Security (C or better) and 1015011400 Network Plus Fundamentals (C or better).</p>	3.00
Total Credits: 16.00		

Talk with a Success Coach about the program outline. Together, you will determine if credits you've already earned satisfy any requirements, discuss possible alternative courses, and choose the best classes if you're thinking of transferring.

At A Glance

How You'll Learn

Term Start Dates

Fall 2024: August 26

Spring 2025: January 13

Summer 2025: May 19

Start dates represent the beginning of a new term. Certain programs or courses may not be available to start every term. Please view the [course schedules](#) for a list of upcoming classes or contact the Welcome Center at 715-365-4493.

[VIEW FULL ACADEMIC CALENDAR](#)

Program Tuition*

\$2,554

*Total cost for degree completion is estimated by current course requirements, books, and supplies. Tuition and fees are set by the Wisconsin Technical College System and subject to change.

Financial Aid Eligible

► [Potential Indirect Costs](#)

What You'll Learn

- Manage computer network connected devices
- Increase the security of networks, devices, and users
- Protect against cybersecurity threats

Your Potential Careers

- Cybersecurity Analyst

Median Annual Salary

\$95,718

\$103,168

\$119,867

Local

State

National

Lightcast 2024.1

Get Started

Your application can be submitted online, it takes just a few minutes to complete.

[APPLY NOW](#)