

# IT Network Technician

## Technical Diploma

The IT Network Technician Technical Diploma is designed to give the student the skills necessary to support Local Area Networks. With this diploma the student will be able to manage, configure and troubleshoot common network infrastructure issues, to include network switching, IP routing, IP services, network device security, and acquire a solid foundation in IP addressing. This diploma will prepare the student for the Comp TIA A+, CompTIA Network +, CompTIA Security+ Cisco CCNA and other Information Technology Certifications.

## Program Outline

TERM 1		
Course #	Course Title	Credits
1015110500	Digital Literacy with Cyber Security 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.	1.00
1015011400	Network+ Fundamentals 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.	3.00
1015015000	Windows Client This course explores enterprise client operating system installation, configuration, performance, access, management, and protection. This course is aligned with the Microsoft 365 Certified: Endpoint Administrator Associate certification exams. Prerequisite: 1015414000 A Plus Computer Essentials (C or better).	3.00
1015018000	Windows Hybrid Server Core Infrastructure This course explores enterprise server operating system on-premises server, cloud and Azure concepts, IP address management, DNS implementation, Active Directory, Group Policy, hybrid server and workload management, storage and file service management, virtualization and containers, and network connectivity. This course is aligned with the Microsoft AZ-800: Administering Windows Server Hybrid Core Infrastructure certification exam. Prerequisites: 1015011400 Network Plus Fundamentals (C or better) and 1015015000 Windows Client (C or better) (concurrent enrollment allowed).	3.00
1015414000	A+ Computer Essentials This course explores computer hardware, operating systems, software, networking, troubleshooting, virtualization, and security concepts. This course is aligned with the CompTIA A+ Core 1 and Core 2 certification exams.	3.00
TERM 2		
Course #	Course Title	Credits
1080412300	Math with Business Applications Covers real numbers, basic operations, linear equations, proportions with one variable, percent, simple interest, compound interest, annuity, applying math concepts to the purchasing/buying/selling processes, and basic statistics with business and consumer applications. Prerequisite: Accuplacer Algebra score $\geq 35$ or ACT Mathematics score $\geq 18$ .	3.00

Course #	Course Title	Credits
1015013000	<b>CCNA Networking 1</b> This course explores enterprise networking concepts, Cisco devices, IPv4 and IPv6 addressing, switching, and IPv4 and IPv6 routing. This course is the first of two aligned with the Cisco CCNA certification exam. Prerequisite: 1015011400 Network Plus Fundamentals (C or better).	3.00
1015014500	<b>CCNA Networking 2</b> This course explores enterprise networking wireless networks, WAN implementation, advanced switching, access control lists (ACLs), management, security, and cyptography. This course is the second of two aligned with the Cisco CCNA certification exam. Prerequisite: 1015013000 CCNA Networking 1 (C or better).	3.00
1015114000	<b>IT Security</b> 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.	3.00

**Total Credits: 25.00**

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

### Spring 2025

January 13 - 16-Week Spring Term Start

### Summer 2025

May 19 - 12-Week Summer Term Start

### Fall 2025

August 25 - 16-Week Fall Term Start

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\*

\$4,092

## Books & Supplies\*

\$172

\*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](#)

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## What You'll Learn

- Support basic computer networks
- Support client systems
- Utilize network operating systems
- Apply basic IT security principles

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## Your Potential Careers

- Network Specialist
- Network Administrator

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## Median Annual Salary

\$60,499	\$62,443	\$62,839
Local	State	National

Lightcast 2023.1

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## Get Started

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

[APPLY NOW](#)