NICOLET COLLEGE

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.

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.	3.00
1015015000	Windows Client This course explores enterprise client operating system installation, configuration, performance, access, management, and protection. 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 managment, virtualization and containers, and network connectivity. 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.	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 >=35 or ACT Mathematics score >=18.	3.00
1015013000	CCNA Networking 1 This course explores enterprise networking concepts, Cisco devices, IPv4 and IPv6 addressing, switching, and IPv4 and IPv6 routing. Prerequisite: 1015011400 Network Plus Fundamentals (C or better).	3.00

Course #	Course Title	Credits
1015014500	CCNA Networking 2 This course explores enterprise networking wireless networks, WAN implementation, advanced switching, access control lists (ACLs), management, security, and cyptography. Prerequisite: 1015013000 CCNA Networking 1 (C or better). better).	3.00
1015114000	IT Security 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.	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

Next Academic Start Dates

11
JAN

Spring 2027 Term Starts

15
MAR

Additional Spring 2027 Start for Select Courses

VIEW FULL 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**

What You'll Learn

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

Your Potential Careers

- Network Specialist
- Network Administrator

Median Annual Salary

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

Lightcast 2023.1

Get Started

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

APPLY NOW