NICOLET COLLEGE

IT Virtualization

This program provides students the skills necessary to support a virtualized data center. The student will gain the skills needed to manage, configure and troubleshoot common virtualization issues and install virtual servers, workstations and applications to support an IT data center in a corporate environment.

Virtual technologies are becoming critical to today's companies. Why? Computer virtualization allows multiple individual operating systems to be run and controlled on a single physical server. Machine virtualization allows companies to support the number of servers and/or workstations they require for business functionality while minimizing the amount of physical hardware required. The result is decreased hardware cost, decreased electrical requirements, decreased cooling requirements, and decreased physical space requirement

Program Outline

TERM 1		
Course #	Course Title	Credits
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
1015711000	VMware Data Center Virtualization This course explores installation, configuration, management, monitoring, and maintenance of a virtualized computing environment in the enterprise. This course is aligned with the VMware Certified Professional – Data Center Virtualization (VCP-DCV) certification exam.	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. This course is aligned with the Microsoft AZ-800: Administering Windows Server Hybrid Core Infrastructure certification exam.	3.00

Total Credits: 9.00

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

| **Summer 2024:** May 6 | **Fall 2024:** August 26 | **Spring 2025:** January 13 |

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*

$1,664

Books & Supplies*

$232

*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.

▶ **Potential Indirect Costs**

What You'll Learn

- Understand data center virtualization concepts
- Understand the different virtualization technologies
- Manage a virtualized environment infrastructure
- Deploy virtual machines
- Manage virtual machines

Your Potential Careers

- Computer Support Specialist
- Technical Support Specialist
- Help-Desk Technician
- Network Administrator
- Systems Administrator

Median Annual Salary

$58,674	$71,562	$90,267
Local	State	National

Lightcast 2023.1

Get Started

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

APPLY NOW