

Course Code: CSC 151

Course Title: MS OS Workstation

Department: Business/Computer Science and Technologies

Effective Date: Summer 2026

PCS Code: 1.2 - Occupational/Technical Instruction

CIP Code: 11.0901

Repeatability: 0

Credit Hours

Catalog Notation: 2-2-3

Credit Hour Distribution:

Lecture: 2

Lab: 2

Clinical: 0

Total: 3

General Course Information

Catalog Description

Manage Windows workstation including networking, operating system, installation, file system, profiles and policies, security, protocols, inter-networking, remote access, printing, and troubleshooting.

General Course Objectives

Students will be able to maintain an installed Microsoft Windows Workstation network operating system and perform the typical normal-operation network administration tasks associated with that network.

Minimum Placement Levels

English	Reading	Math
None	None	None

Prerequisites

Credit in CSC 133

Methods of Evaluation

20 virtual machine labs, 14 quizzes, 4 exams, and a final assessment exam.

Instructional Materials and Additional Supplies

Microsoft Specialist Guide to Microsoft Windows 10, 9781337282239

Course Content

General Learning Outcomes (GLOs)

- Critical Thinking and Information Literacy: Students will demonstrate the ability to evaluate perspectives, evidence, and implications, and to locate, assess, and use information effectively.
- Technology: Students will demonstrate the ability to evaluate, select, and appropriately use current and emerging tools.

Course Segments and Student Learning Outcomes

Course Segment	Learning Outcomes	Lecture Hours	Lab Hours	Clinical Hours
Introduction to Windows 10	1. Describe the versions of Windows 10, new and enhanced features, the user interface, hardware requirements, legacy application support, connectivity applications, and networking models. 2. Apply Windows 10 new and enhanced features, the user interface, hardware requirements, legacy application support, connectivity applications, and networking models.	2	2	0
Installation Methods	1. Describe deployment methods used for Windows 10, Windows deployment tools, attended and unattended installation, image-based installation, and provisioning. 2. Apply deployment methods used for Windows 10, Windows deployment tools, attended and unattended installation, image-based installation and provisioning.	2	2	0
Settings Overview	1. Describe Windows 10 system settings including administrative tools, hardware management, power management, display, and PowerShell. 2. Apply Windows 10 system settings including administrative tools, hardware management, power management, display, and PowerShell.	2	2	0
Managing Disk and File Systems	1. Describe Windows 10 disks and file systems including disk technology, partition styles, types of disks, disk management tools, managing physical disks, virtual disk management, and file systems. 2. Apply Windows 10 disks and file systems including disk technology, partition styles, types of disks, disk management tools, managing physical disks, virtual disk management, and file systems.	2.25	2.25	0
User Management	1. Describe user management including user accounts, managing user profiles, advanced authentication methods, and network integration. 2. Demonstrate user management including user accounts, managing user profiles, advanced authentication methods, and network integration.	2	2	0
Security Features	1. Describe security policies, auditing, user account control, malware protection, data security, and Windows Update. 2. Apply security policies, auditing, user account control, malware protection, data security, and Windows Update.	2.25	2.25	0
Networking	1. Describe Windows 10 networking, IPv4, IPv6, file sharing, Internet connectivity, wireless networking, Windows firewall, and Homegroup networks. 2. Apply Windows 10 networking, IPv4, IPv6, file sharing, Internet connectivity, wireless networking, Windows firewall, and Homegroup networks.	2.25	2.25	0
Productivity Tools	1. Describe productivity tools such as file explorer, OneDrive, printing, and Web browsers. 2. Apply productivity tools such as file explorer, OneDrive, printing, and Web browsers.	2	2	0

Course Segment	Learning Outcomes	Lecture Hours	Lab Hours	Clinical Hours
Application support	1. Describe application environments, the registry, installing applications, app compatibility, and remote desktop services. 2. Apply application environments, the registry, installing applications, app compatibility, and remote desktop services.	2.25	2.25	0
Performance Tuning and System Recovery	1. Describe performance tuning, monitoring performance, task manager, performance options, troubleshooting, file recovery and backup, and system recovery. 2. Demonstrate performance tuning, monitoring performance, task manager, performance options, troubleshooting, file recovery and backup, and system recovery.	2.25	2.25	0
Microsoft Intune Device Management	1. Describe Microsoft Intune management, supporting mobile devices, supporting client computers, managing devices, deploying software, and managing applications. 2. Demonstrate Microsoft Intune management, supporting mobile devices, supporting client computers, managing devices, deploying software, and managing applications.	2.25	2.25	0
Client Hyper-V	1. Describe Hyper-V including creating virtual machines, virtual memory, virtual processors, virtual hard disks, virtual networking, and managing virtual machines. 2. Demonstrate creating virtual machines, virtual memory, virtual processors, virtual hard disks, virtual networking, and managing virtual machines using Hyper-V.	2.25	2.25	0
Enterprise Computing	1. Describe enterprise computing including Active Directory, Group Policy, enterprise deployment tools, enterprise management tools, and enterprise file services. 2. Demonstrate enterprise computing including Active Directory, Group Policy, enterprise deployment tools, enterprise management tools, and enterprise file services.	2.25	2.25	0
Remote Access and Client Support	1. Describe remote access and client support including VPN, Direct Access, Remote Desktop, and synchronizing data. 2. Demonstrate remote access and client support including VPN, Direct Access, Remote Desktop, and synchronizing data.	2	2	0

Total Contact Hours

Lecture Hours	Lab Hours	Clinical Hours
30	30	0