

# Course Abstract

*If you need accommodations due to a disability, contact Disability Services in Edison Hall Room 100, 732.906.2546.*

*To foster a productive learning environment, the College requires that all students adhere to the Code of Student Conduct which is published in the college catalog and website.*

**Course ID and Name: CSC251 – Windows Workstation Administration**

**Department: Business and Computer Science**

Chairperson or Course Coordinator: Dr. Aslihan Cakmak

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**Prerequisites:** CSC200

**Co-requisites:** None

## **Course Description:**

Provides students with the knowledge and skills necessary to perform day-to-day administration in a Windows-based network. Topics include creating and administering user and group accounts and policies, profiles and synchronization, managing resources, auditing, setting up and maintaining the printing environment, internet connection firewall, remote desktop protocol, remote installation, security zones, and wireless and mobile computing. Hands on exercises will enable the student to implement the tasks necessary to become a Windows administrator in a Microsoft Active Directory environment. Upon successful completion of this course the student will be prepared to take the associated Microsoft certification test.

**General Education Status:** N/A

**Credits: 3      Lecture Hours: 2      Lab Hours: 2**

## **Learning Outcomes:**

**Upon successful completion of this course, a student will be able to:**

1. Install the Windows client.
2. Configure the Windows client.
3. Maintain the Windows client.
4. Update the Windows client.

## **Course Content Areas:**

- Introduction to Windows
- Installation and the configuration process
- Microsoft Management Console
- Control Panel, and Task Scheduler
- Multiple language support configuration
- File systems and dynamic storage
- Encrypted files and recovery agents
- User and group accounts
- Active Directory and Group Policies, profiles, and synchronization
- Mandatory and discretionary Access Control
- Microsoft Networking and TCP/IP protocols
- Remote Desktop Protocol
- Network printing and fax architecture
- Performance tuning and components
- Windows application support, Internet Security Zones and X 509 digital
- Windows registry and boot processes
- Disaster recovery planning
- Troubleshooting Windows