## Course Outline

**DEPT.**: CST  
**COURSE NUMBER**: 2224

### Course Information

- **Number of Credits**: 4  
- **Lecture**: 3  
- **Lab**: 1  
- **OJT**: 0

### Course Title

Windows Client/Server Administration

### Catalog Description

Windows Client/Server Administration will cover the setup and support of the current versions of Windows Server and the desktop client. Students will implement, administer and troubleshoot the Windows network environment. Hands-on, practical experience, and exercises will be incorporated into this course. This course helps students to prepare for Microsoft certification.

### Prerequisites or Necessary Entry Skills/Knowledge

CST 1190

### Fulfills MN Transfer Curriculum Area(s)

(Leave blank if not applicable)

- **Goal 1**: Communication: _____ by meeting the following competencies:
- **Goal 2**: Critical Thinking: _____ by meeting the following competencies:
- **Goal 3**: Natural Sciences: _____ by meeting the following competencies:
- **Goal 4**: Mathematics/Logical Reasoning: _____ by meeting the following competencies:
- **Goal 5**: History and the Social and Behavioral Sciences: _____ by meeting the following competencies:
- **Goal 6**: The Humanities and Fine Arts: _____ by meeting the following competencies:
- **Goal 7**: Human Diversity: _____ by meeting the following competencies:
- **Goal 8**: Global Perspective: _____ by meeting the following competencies:
- **Goal 9**: Ethical and Civic Responsibility: _____ by meeting the following competencies:
- **Goal 10**: People and the Environment: _____ by meeting the following competencies:

### Topics to be Covered

- Windows Client and Server features
Troubleshooting the Windows operating systems
- DHCP
- DNS
- IIS Services and features
- Active Directory

**Student Learning Outcomes**

- Plan and demonstrate a Windows Server & Client installation and upgrade.
- Explain Windows Server features.
- Explain troubleshooting techniques for a Windows installation that has errors.
- Describe the Windows NTFS file system.
- Demonstrate how to install, administer, and connect a network printer.
- Describe Active Directory services and printing.
- Describe Windows Security features including PKI and Kerberos.
- Perform administrative tasks on a Windows Server using Active Directory.
- Describe recovery of a Windows Server and client operating systems.

| Is this course part of a transfer pathway: | Yes ☐ No ☒ |

Revised Date: 08/2021