DEPT.  CST  COURSE NUMBER:  2224

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

<table>
<thead>
<tr>
<th>Task</th>
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<tr>
<td>Plan and demonstrate a Windows Server &amp; Client installation and upgrade.</td>
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<td>Explain Windows Server features.</td>
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<td>Explain troubleshooting techniques for a Windows installation that has errors.</td>
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<td>Describe the Windows NTFS file system.</td>
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<tr>
<td>Demonstrate how to install, administer, and connect a network printer.</td>
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<tr>
<td>Describe Active Directory services and printing.</td>
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<td>Describe Windows Security features including PKI and Kerberos.</td>
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<td>Perform administrative tasks on a windows Server using Active Directory.</td>
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<td>Describe recovery of a Windows Server and client operating systems.</td>
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**Is this course part of a transfer pathway:** Yes ☐ No ☒

*If yes, please list the competencies below*

Revised Date: 3/29/2022