DEPT. CST COURSE NUMBER: 2224
NUMBER OF CREDITS: 4 Lecture: 3 Lab: 1

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.

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:

Prerequisites or Necessary Entry Skills/Knowledge:
CST 1190 Introduction to Networking

Topics to be Covered (General)
1. Windows Client and Server features
2. Troubleshooting the Windows operating systems
3. DHCP
4. DNS
5. IIS Services and features
6. Active Directory
### Student Learning Outcomes

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<tbody>
<tr>
<td>1</td>
<td>Plan and demonstrate a Windows Server &amp; Client installation and upgrade.</td>
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<tr>
<td>2</td>
<td>Explain Windows Server features</td>
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<td>3</td>
<td>Explain troubleshooting techniques for a Windows installation that has errors.</td>
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<td>4</td>
<td>Describe the Windows NTFS file system</td>
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<td>5</td>
<td>Demonstrate how to install, administer, and connect a network printer.</td>
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<td>6</td>
<td>Describe Active Directory services and printing.</td>
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<td>7</td>
<td>Describe Windows Security features including PKI and Kerberos</td>
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<td>8</td>
<td>Perform administrative tasks on a windows Server using Active Directory</td>
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<td>9</td>
<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: 2/16/2021