MINNESOTA WEST COMMUNITY & TECHNICAL COLLEGE
COURSE OUTLINE

Faculty members are required to have the outline submitted to the Academic Affairs Office. The course outline is the form used for approval of new courses by the Academic Affairs and Standards Council.

DEPT. CST COURSE NUMBER: 1112

NUMBER OF CREDITS:  Lecture: 1 Lab: Lab credits OJT OJT credits Total Credits: 1

<table>
<thead>
<tr>
<th>Course Title:</th>
<th>CLI/PowerShell</th>
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CS

Catalog Description

CLI/PowerShell students identify the fundamentals of the computer file systems including the command line interface (CLI). Students will use CLI and PowerShell commands to perform operations to manage a directory structure. Emphasis is placed on the use of PowerShell Cmdlets for task automation and PowerShell scripting for system configuration management.

Prerequisites or Necessary Entry Skills/Knowledge: (Enter 4 digit discipline and course number)

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 (General)
1. Command Line Interface Commands
2. Navigating Hard Drive structure with CLI using various commands
3. Interacting with the PowerShell console and ISE
4. Cmdlets, aliases, and functions
5. Beginner level scripting
6. Introduction to wildcards and regular expressions

### Student Learning Outcomes
1. Evaluate a hard disk’s directory structure
2. Demonstrate how to Copy, Rename and del
3. Understand PowerShell Cmdlet to automate tasks
4. Create PowerShell scripts to automate Windows Administration

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

*If yes, please list the competencies below

Revised Date: 4/1/2021