MINNESOTA WEST COMMUNITY & TECHNICAL COLLEGE
COURSE OUTLINE

DEPT. CST   **COURSE NUMBER: 2350**

NUMBER OF CREDITS: 3   **Lecture: 2 Lab: 1 OJT 0**

Course Title:
Virtual Computing

Catalog Description:
Virtual Computing is a hands-on course that introduces virtual technologies used in an enterprise network environment. This course includes virtualization and storage management concepts using VMWare server virtualization products. Students will install and configure a network in a virtual environment, including applications and desktop virtualization. By learning basic deployments, upgrades, virtual workloads, advanced network architectures, multitenant clouds, and back up and disaster recovery. Students will be prepared to work in a virtual technology environment

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
Virtualization software definition and types
Uses of Virtualization software
Virtual applications and environments

Student Learning Outcomes
Identify the cause and cost of network downtime.
Describe SAN technology.

Describe server virtualization.
Analyze active and passive server clustering.
Evaluate concepts for cloud computing.
Implement server virtualization.

Is this course part of a transfer pathway: Yes ☐   No ☒
*If yes, please list the competencies below

Revised Date: 10/28/2023