MINNESOTA WEST COMMUNITY & TECHNICAL COLLEGE
COURSE OUTLINE

DEPT. CST   **COURSE NUMBER: 1300**

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

Course Title:
Computer Forensics

Catalog Description:
Computer Forensics is an introductory course in digital forensics, which is the study of a computer that has been compromised and the recovery of evidence or information. In this course the student will concentrate on how to recover information from a computer or network after an attack. The student will look at both disaster recovery after a hacker or virus attack and also how to get information from a system that has been used for illicit activities. The student will use a systematic approach to gather information without destroying evidence.

Prerequisites or Necessary Entry Skills/Knowledge:
CST 1125

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
Computer Forensics components
The investigators tools and facilities
The investigation processes
Recovery of information
Recovery of the network

Student Learning Outcomes
List the components of computer forensics.
Identify computer investigation processes.
Create a plan for investigation of computers.
Describe the boot process of a computer.
Identify and locate computer forensic tools.
Describe the legal issues regarding data acquisition.
Recover a graphics and text images.
Prepare reports of the computer forensic investigation.
Backup information on a computer.

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

Revised Date: 3/29/2022