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 Operating Systems

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. Computer Forensics components
2. The investigators tools and facilities
3. The investigation processes
4. Recovery of information
5. Recovery of the network

### Student Learning Outcomes

1. List the components of computer forensics
2. Identify computer investigation processes
3. Create a plan for investigation of computers
4. Describe the boot process of a computer
5. Identify and locate computer forensic tools
6. Describe the legal issues regarding data acquisition
7. Recover a graphics and text images
8. Prepare reports of the computer forensic investigation
9. Backup information on a computer

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

*If yes, please list the competencies below*

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Revised Date: 04/2021