



## COMPUTER FORENSICS — ISTC 2071

### A. Course Description

- **Credits:** 3.00
- **Lecture Hours/Week:** 2.00
- **Lab Hours/Week:** 1.00
- **OJT Hours/Week:** 0
- **Prerequisites:**
  - ISTC 1015: Supporting Business Applications
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  - ISTC 1033: Operating Systems II
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  - ISTC 2065: Security II: Firewalls
- **Corequisites:** None
- **MnTC Goals:** None

This course provides the student with methods for conducting a computer forensics investigation including procedures, tools, ethics, and analysis. This course maps to the objectives of the International Association of Computer Investigative Specialists (IACIS) certification. Prerequisites: ISTC1015 AND ISTC1033

### B. Course Effective Dates: 8/2/19 – Present

### C. Outline of Major Content Areas

As noted on course syllabus

### D. Learning Outcomes

1. Capture an image from a hard drive.
2. Conduct an investigation.
3. Determine best acquisition methods.
4. Explore and understand Email Investigations.
5. Explore and understand Report Writing for High-Tech Investigations and testifying in court.
6. Explore and understand the history and current role of a Forensics Investigator.
7. Explore and understand the most common Investigations.
8. Recover Graphics Files.

9. Understand Concepts and Terms Used in Warrants.
10. Understand Law Enforcement Agency Investigations vs. Corporate Investigations.
11. Understand Rules of Evidence.
12. Understand a Forensics Investigator's Office and Laboratory.
13. Understand preparing for a search and seizure.
14. Understand storage formats for digital evidence.
15. Use contingency planning for image acquisitions.
16. Use software to acquire and analyze data from a USB drive.
17. Work with Windows and DOS Systems.
18. Work with current Forensics Tools.

**E. Minnesota Transfer Curriculum Goal Area(s) and Competencies**

**F. Learner Outcomes Assessment**

As noted on course syllabus

**G. Special Information**

None noted