

Program Outcomes Guide #3 (POG #3)

Program Title: Computer Forensics

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Expected Learning Outcomes

- Think critically
- Communicate effectively with both verbal and written forms
- Perform and share cooperatively in team projects
- Understand the basic body of computer forensic knowledge

Assessment (How do students demonstrate achievement of these outcomes?)

Through exams and lab assignments students will be assessed to determine whether they are able to:

- Define and discuss the concepts of computer forensics.
- Explain the career of a computer forensics professional.
- Explain and apply the concepts of computer investigations.
- Select and apply current computer forensics tools.
- Identify and apply current practices for processing crime and incident scenes.
- Explain and apply digital evidence controls.
- Explain and perform forensic analysis in various operating system environments.
- Explain the boot processes and disk structures of various operating system environments.
- Identify and apply current practices for data discovery recovery and acquisition.
- Conduct basic computer forensic analysis.
- Demonstrate the recovery of image files.
- Conduct basic network forensic analysis.
- Perform e-mail investigations.
- Act as expert witness and report results of investigations.

Validation (What methods are used to validate your assessment?)

1. Approval of Information Systems Technology Advisory Council
2. Faculty Review
3. Textbook authors/publishers

Results (What do the data show?)

95% of students completing course requirements successfully pass course requirements.
December 2015

Follow-up (How have you used the data to improve student learning?)

Incorporated new set of forensics labs from NDG. Students now reserve virtual sessions on a 24/7 basis.

Budget Justification

(What resources are necessary to improve student learning?) N/A

Virtual computers – publisher Virtual cloud environment and netlabs forensics are being developed.