

COMPUTER FORENSICS CERTIFICATE

Post-Baccalaureate Certificate

<https://www.towson.edu/fcsm/departments/computerinfosci/grad/computer-forensics-certificate.html>

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The computer forensics graduate certificate prepares students for high demand IT roles such as computer/digital forensics analysts. As a specially trained cybersecurity professional, you will gain the expertise you need for this exciting, evolving career.

Modern organizations increasingly depend on network and wireless-based communication, making them more vulnerable to cyberattacks. Consequently, organizations need IT roles that specialize in "incident response" in case of such attacks and subsequent "forensic analysis" of digital evidence.

The Computer Forensics post-baccalaureate certificate (PBC) is designed to offer students a curriculum that provides knowledge and skills in performing forensics analysis on both traditional and mobile computing devices. This program offers students specialized instruction that covers the fundamentals of general forensics analysis and the specifics of forensic analysis of computing devices.

The program is intended for students who have a bachelor's degree in a computing-related field and are seeking advanced study. It may also interest students who:

- Work in the information technology field and need additional academic background for professional growth.
- Have a bachelor's degree in a discipline other than information technology and want to prepare for careers in this field.

Admission Requirements

Admission requirements for the post-baccalaureate certificate program are the same as those listed for the M.S. in Applied Information Technology.

Non-immigrant International Students

Program Enrollment: F-1 and J-1 students are required to be enrolled full-time. The majority of their classes must be in-person and on campus. See the list of programs that satisfy these requirements, and contact the International Student and Scholars Office with questions.

Admission Procedures: See additional information regarding Graduate Admission policies and International Graduate Application online.

See **Exceptions to Policy in Graduate Admissions.

Certificate Requirements

Code	Title	Units
AIT 600	INFORMATION TECHNOLOGY INFRASTRUCTURE	3

AIT 610	SYSTEMS DEVELOPMENT PROCESS	3
AIT 650	COMPUTER & NETWORK FORENSICS AND INCIDENT RESPONSE	3
AIT 660	MOBILE DEVICE FORENSICS	3
AIT 745	CASE STUDIES IN COMPUTER FORENSICS	3
Total Units		15

- Articulate the current state and evaluate the current limits in the knowledge, theory and application of computer forensics.
- Work effectively in teams to assess, prioritize and professionally communicate computer forensic issues and solutions.
- Compare and contrast various computer forensic techniques and assess their application to context specific problems.
- Synthesize knowledge of computer forensics from multiple sources to design and present solutions to emerging government and industry computer forensics problems