

INFORMATION SECURITY AND ASSURANCE CERTIFICATE

Program Website: <https://www.towson.edu/fcsm/departments/computerinfosci/grad/information-security-certificate.html>

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The Post-Baccalaureate Certificate in Information Security and Assurance covers the study, design, development, implementation and support of computer-based information systems with regard to securing information. This program provides graduate-level education in IT for students preparing to enter the high-tech work force and those already in the work force who wish to update and enhance their skills. This course of study can be completed as a stand-alone graduate certificate or applied to the M.S. program in Applied Information Technology. The program is intended for students who have a bachelor's degree in information technology, computer science, computer information systems or a related field, who will enter the program for advanced studies. The program may also be of interest to persons who:

- Do not have a bachelor's degree in the field, but are currently employed in the IT field and are seeking additional academic studies for professional growth or to advance their careers.
- Have a bachelor's degree in a discipline other than IT who are seeking preparation for careers in this field.

Requirements

Admission Requirements

Application deadlines and a full listing of materials required for admission can be found on the website.

Certificate Requirements

Code	Title	Units
Required Courses		
AIT 600	INFORMATION TECHNOLOGY INFRASTRUCTURE	3
AIT 610	SYSTEMS DEVELOPMENT PROCESS	3
AIT 612	INFORMATION SYSTEMS VULNERABILITY AND RISK ANALYSIS	3
AIT 614	NETWORK SECURITY	3
AIT 710	CASE STUDIES IN INFORMATION SECURITY	3
Total Units		15

Learning Outcomes

- Understand the information technology infrastructure and its place and value in today's business.
- Work effectively in teams and communicate effectively, both orally and in writing.
- Use their proficiency to solve a variety of problems.
- Prepare, present and develop proposals and solutions for today's governmental and industrial needs.