

INFORMATION SYSTEMS AUDITING, CERTIFICATE

Requirements for an undergraduate certificate may be completed at any campus location offering the specified courses for the certificate.

Program Description

The worlds of accounting and digital information systems, particularly in the area of information security, have become intertwined. Penn State Altoona has created a certificate program to help IT and accounting professionals acquire the skills they need for maintaining and auditing digital information systems. This Information Systems Auditing Certificate, for students enrolled in accounting, business with an accounting option, information sciences and technology, security risk analysis or other related majors integrates critical areas of knowledge of IT and accounting.

Students who complete the certificate program will develop skills useful in obtaining other professional credentials, such as the Certified Information Systems Auditor (CISA) or Certified Information Technology Professional (CITP) credentials.

What is Information Systems Auditing Certificate?

A certificate program that integrates critical areas of knowledge of Information Technology (IT) and accounting principles.

You Might Like This Program If...

- You want to acquire the skills necessary for maintaining and auditing digital information systems.
- You want to develop skills useful in obtaining other professional credentials, such as the Certified Information Systems Auditor (CISA) or Certified Information Technology Professional (CITP) credentials.

Program Requirements

To earn an undergraduate certificate in Information Systems Auditing, a minimum of 37 credits is required.

Code	Title	Credits
Prescribed Courses		
ACCTG 211	Financial and Managerial Accounting for Decision Making	4
ACCTG 403	Auditing	3
	or ACCTG 403WAuditing	
ACCTG 432	Accounting Information Systems	3
ACCTG 471	Intermediate Financial Accounting I	3
ACCTG 472	Intermediate Financial Accounting II	3
ACCTG 483	Forensic Accounting	3
CMPSC 101	Introduction to Programming	3
IST 220	Networking and Telecommunications	3
IST 454	Computer and Cyber Forensics	3
IST 456	Information Security Management	3
SRA 111	Introduction to Security and Risk Analysis	3
SRA 221	Overview of Information Security	3

Prerequisites Required.

Program Learning Objectives

- Describe the process of IT auditing and assurance including ethical and reporting dimensions and assist established professionals in planning and executing such engagements.
- Describe and discuss the Systems Development Life Cycle (SDLC) and apply the process of IT auditing and assurance to it in order to assist in providing assurance that the (1) practices for the acquisition, development, testing and implementation of information systems, (2) processes for information systems operations, maintenance and service management, and (3) necessary leadership and organizational structures and processes are in place to meet the organization's strategies and objectives.
- Analyze risks to Information Systems (IS) at all stages of the SDLC and apply appropriate controls to reduce the risks in order to assist in providing assurance that the organization's policies, standards, procedures and controls ensure the confidentiality, integrity and availability of information assets.
- Apply financial accounting standards to financial transaction processing and reporting in order to identify where there may be errors and irregularities in the information system and be able to communicate those findings to others who may aid in investigations.

Academic Advising

Altoona

William G. Engelbret

Associate Professor of Accounting

Aaron Building 219

3000 Ivyside Park

Altoona, PA 16601

814-949-5274

w7e@psu.edu

Career Paths

Career Services supports and serves students and alumni, faculty and staff, families, and employers in all areas related to career development and preparation. We can assist in any of the following:

- Major and Career Exploration
- Career Decision-Making Preparation of Employment Documents
- Internship and Job Search Strategies
- Interview Preparation
- Preparing for Graduate School
- Developing your Professional Online Brand
- Presentations and Workshops

MORE INFORMATION ABOUT POTENTIAL CAREER OPTIONS FOR GRADUATES WITH A CERTIFICATE IN INFORMATION SYSTEMS AUDITING (<https://altoona.psu.edu/offices-divisions/center-workforce-career-development/career-services/>)

Contact

Altoona

DIVISION OF BUSINESS, ENGINEERING, AND INFORMATION SCIENCES
AND TECHNOLOGY
3000 Ivyside Park
Altoona, PA 16601

814-949-5239

businessaltoona@psu.edu

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