

# INFORMATION SYSTEMS AUDITING, CERTIFICATE

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

## 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.