Computer Security and Controls C.C.

Curriculum Code: 1818
Effective: Fall 2021 – Summer 2026

Description

Computer Security and Controls professionals plan and conduct audits of data processing and data management systems and applications to safeguard assets, ensure the accuracy of data, and promote operational efficiency. They may interview workers and examine records to gather data by following an audit plan using dedicated computer systems and software. They analyze data collected to evaluate the effectiveness of controls and determine the accuracy of reports and efficiency and security of operations. This certificate is recommended for those who are currently auditors.

Additional Information

This certification aligns with and is stackable under the Computer Networking and Cybersecurity A.B. (#1453) program of study. To be awarded the associate degree, a student must earn a minimum grade of 2.0 in each course.

Students may petition, on a course-by-course basis with proper documentation, to waive prerequisite(s) based on equivalent experience or course(s) taken elsewhere. Contact your advisor if you have questions or would like to submit a petition.

Contact Information

Contact the Computer Information Technologies Program in the West Campus Building, Room M103, telephone number 517-267-6406 or Student Services West Campus, West Campus Building, Room M016, telephone number 517-267-5452.

Program of Study Required Courses

Course Code	Course Title	Credit / Billing Hours
CITD 250	Database Concepts	3 / 3
CITF 110	Intro Computer Info Systems	3 / 3
CITF 120	Operating Systems Concepts	3 / 3
CITF 240	IT Project Management	3 / 3
CITN 120	Networking Concepts	3 / 3
CITN 220	Introduction to Networks	3 / 3
CITN 280	IT Security Foundations	3 / 3
CITP 110	Intro to Programming-Python	4 / 4

Total Credit Hours

25 credits / 25 billing hours

Recommended Course Sequence

Semester I	Semester II
CITF 110	CITF 120
CITN 120	CITP 110

Semester III	Semester IV
CITD 250 (Fall only)	CITF 240
CITN 220	CITN 280