



Computer Security and Controls C.C.

Career Community: Computer Technology and Networking

Curriculum Code: 1818

Effective: Fall 2022 – Summer 2027

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.

Milestone

Completion of CITD 250 with a 2.0 or higher is a key component for success in completing this program. Knowledge obtained in this course is the foundation for learning in other required courses. Students are encouraged to contact their faculty if they need additional assistance with learning the concepts presented in this course.

Additional Information

This certification aligns with and is stackable under the Computer Networking and Cybersecurity Associate of Business (#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

Course Code	Course Title	Credit / Billing Hours
CITN 280	IT Security Foundations	3 / 3
CITP 110	Intro to Programming-Python	4 / 4

Minimum Total Credit Hours

25 credits / 25 billing hours

Recommended Course Sequence

Semester I
CITF 110
CITN 120

Semester II
CITF 120
CITP 110

Semester III
CITD 250 (Fall only) – Milestone course
CITN 220

Semester IV
CITF 240
CITN 280

LCC makes every effort to limit revisions to the pathways during their effective timeframe. However, the College reserves the right to update certificate and degree title changes, and make course changes as needed, without prior notice.