Computer Technology: Network Security and Information Assurance

Degree Type
Associate in Applied Science

ASSOCIATE DEGREE IN APPLIED SCIENCE
COMPUTER TECHNOLOGY - NETWORK SECURITY
AND INFORMATION ASSURANCE
SEMESTER CURRICULUM MODEL
69 CREDIT HOURS

Students opting to concentrate their studies in the Network Security and Information Assurance Technology area will learn the foundations of cloud computing, network management, network security and assessing security risks and vulnerabilities, in order to develop plans to minimize those threats. Career paths in this area include Computer Security Specialist, System Administrator, Systems Analyst, Information Systems Specialist, IT Support Technician, Project Managers, and Network Administrator.

OCtech's Computer Technology program is accredited by the Association of Collegiate Business Schools and Programs (ACBSP).

For more information on the Associate in Applied Science in Computer Technology degree options, visit this page.

Fall I

Course Number	Title	Credits
MAT-101	Beginning Algebra	3
CPT-104	Introduction to Information Technology	3
ENG-101	English Composition	3
CPT-170	Microcomp Applications	3
CPT-167	Introduction to Programming Logic	3

Spring I

Course Number	Title	Credits
CPT-114	Computers and Programming	3
CPT-202	SQL Programming I	3
IST-115	Human Aspects in Cybersecurity	3
IST-166	Network Fundamentals	3
IST-190	LINUX Essentials	3

Summer I

Course Number	Title	Credits
CYB-201	Cybersecurity Operations	3
IST-257	LAN Network Server Technologies	3
IST-260	Network Design	3
IST-293	IT and Data Assurance I	3

Fall II

Course Number	Title	Credits
ECO-201	Economics Concepts	3
CPE-250	A+ Certification Preparation	3
IST-294	IT and Data Assurance II	3
SPC-205	Public Speaking	3

Spring II

Course Number	Title	Credits
CPT-264	Systems and Procedures	3
CPT-268	Computer End-User Support	3
CPT-275	Computer Technology Senior Project	3
IST-198	Cloud Essentials	3
	Humanities Elective (3 credits)	3
	Total Credits	**69**