

COMPUTER INFORMATION SECURITY AND ASSURANCE MANAGEMENT CERTIFICATE – N064

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COURSE TITLE	COURSE NUMBER	PRE-REQUISITES	CREDITS	SEMESTER TAKEN	GRADE
PROGRAM REQUIREMENTS			21-22		
Computer Concepts <u>or</u> Computer Concepts with Applications	CSI 101 CSI 111	Eligibility for ENG 101	3-4		
Systems Analysis and Design	CSI 214	12 CSI credits	3		
Principles of Management	MGT 230		3		
Principles of Information Security and Assurance	SEC 105	CSI 101 or CSI 111 and eligibility for ENG 101	3		
Information Security Assurance and Administration	SEC 261	CRJ 105 or SEC 105	3		
Network Security and Assurance	SEC 267	SEC 105	3		
Management of Network Defense and Countermeasures	SEC 268	SEC 267	3		
PROGRAM ELECTIVES (Select Two from the following)			6-7		
Introduction to Criminal Justice	CRJ 100		3		
Criminal Evidence	CRJ 102	CRJ 100 and CRJ 112	3		
Criminal Law and Procedure	CRJ 112	CRJ 100	3		
Programming Fundamentals I	CSI 106	Eligibility for ENG 101 and MTH 095; CSI 111 previously or concurrently	4		
Business Data Communications	CSI 120	CSI 101 or CSI 111	3		
Special Topics in Information Systems	CSI 150	Basic familiarity with the operation of a PC and associated software. Additional prerequisites dependent upon topic.	3		
Systems Support I—Hardware	CSI 211	CSI 101 or CSI 111	3		
Systems Analysis & Design	CSI 214	12 CSI credits	3		
System Support II—Software	CSI 216	CSI 101 or CSI 111	3		
Applied Database Management	CSI 242	Introductory Computer Course (CSI 111, BUS 115, BUS 215, or equivalent)	3		
Current Topics in Information Systems	CSI 250	12 CSI credits	3		
Network Development	CSI 251	CSI 101 or CSI 111	3		
Introduction to Website Development	CSI 252	CSI 111, eligibility for MTH 095 or the equivalent of college-level algebra	3		
Introduction to eCommerce	CSI 253		3		
Computer Information Systems Internship	CSI 278	Sophomore status, at least four previous CIS courses and consent of a faculty supervisor from the CIS Department.	3		
Computer Information Systems Coop Education I	CSI 280	Two (2) CSI courses and sophomore status	3		
Computer Information Systems Coop Education II	CSI 281	CSI 280: Two (2) CSI courses and sophomore status	3		
Introduction to Firewalls	SEC 262		3		
Operating System Security and Assurance	SEC 263		3		
Disaster Recovery	SEC 264	SEC 105 or CRJ 105	3		
Web Security and Assurance Management	SEC 266	SEC 105 or CRJ 105	3		
Total Credits			27-29		

PROGRAM OVERVIEW
Computer Information Security is a fast-growing field; currently there are too few professionals to fill the positions available. Graduates with associate degrees can be hired as entry-level Internet, security, network systems or support administrators or specialists and will be prepared to integrate new security skills into their responsibilities and serve on corporate security teams. Upon completion of this certificate, the student will be able to write and administer security policies and procedures, create and establish a disaster recovery plan, direct personnel to secure data during an incident response, lead countermeasures for data intrusion and manage security.

NOTES:

Depending on the course selection 50% of this program can be completed online. Go to <http://webtide.hccd.org> for further information.