

Computer Network Systems & Security 2018-2019 Catalog

Award Granted Upon Completion: Associate in Applied Science in Computer Network

Credits/Contacts Required: **65/67**

Systems and Security

Major code: 03/324

CIP Code: 151202

Description

As more information is made available on networks, protecting that data becomes even more important. This intense "hands-on" program prepares graduates for employment in information technology fields ranging from PC bench technician, routed network technician, wireless network technician, security specialist, computer forensics specialist, network administrator, web server/database administrator or management information specialist, or information technology administrator positions. A Co-op/Internship is required. Graduates of this program receive certification as an Information Security Professional from the Committee on National Security Systems.

General Education Requirements – Min 15 credits

		<u>Cr</u>
ENGL-101	Rhetoric & Composition	3
BUSN-177	Mathematics of Business -OR- MATH-105 -OR- MATH-107	3-4
XXXX-xxx	Social/Behavioral Science -OR- Humanities Elective	3
XXXX-xxx	General Education Electives *	5-6

Requirements – Min 50 credits

		<u>Cr</u>
CNSS-105	Digital Logical Principles	4
CNSS-130	Introduction to Networks	4
CNSS-150	A plus Computer Maintenance	4
CNSS-220	Network Design	4
CNSS-225	Wireless Systems	4
CNSS-230	Introduction to Unix Using Linux	4
CNSS-231	Advanced Linux System Admin	4
CNSS-250	Windows Networking I	4
CNSS-251	Windows Networking II	4
CNSS-260	Network Security	4
CNSS-272	Co-op	3
XXXX-xxx	Approved Electives **	7

** Approved Electives (Choose minimum 7 credits)

CIS-101	Computer Concepts	4
CIS-103	Visual Basic	4
CIS-115	Using Microsoft Windows	3
CIS-12x	Microsoft Courses (CIS-120,121,122,123)	1
CIS-220	JAVA Programming	4
CIS-235	Mobile App Development	3
CNSS-110	Information Security Principles	3
CNSS-115	Cyber Ethics	3
CNSS-245	SQL Server	4
CNSS-262	Web Server Administration	4
CNSS-273	CNSS Co-op Internship #	1-8
CNSS-274	CNSS Co-op Internship #	1-8
CNSS-284	Special Topics	4
CSCI-110	Introduction to Programming	3

#	Internships and Co-ops require that the student pass a criminal background check.
---	---

Suggested Sequences Per Semester

		<u>Cr / Ct</u>
First Semester		
CNSS-105	Digital Logic Principles	4/4
CNSS-130	Introduction to Networks	4/4
CNSS-150	A plus Computer Maintenance	4/6
ENGL-101	Rhetoric & Composition	3/3
		15/17

Second Semester		
CNSS-220	Network Design	4/4
CNSS-230	Introduction to Unix Using Linux	4/4
BUSN-177	Math of Business -OR-	3-4/3-4
MATH-105	Intermediate Algebra -OR-	
MATH-107	Liberal Arts Math	
XXXX-xxx	Approved Elective **	3/3
XXXX-xxx	Social & Behavioral Sciences/ Humanities Elective	3/3
		17-18/17-18

Third Semester		
CNSS-231	Adv Linux System Admin	4/4
CNSS-250	Windows Networking I	4/4
CNSS-272	Co-op/Internship (3 cr minimum)	3/3
XXXX-xxx	Approved Elective **	4/4
XXXX-xxx	General Education Elective *	3/3
		18/18

Fourth Semester		
CNSS-225	Wireless Systems	4/4
CNSS-251	Windows Networking II	4/4
CNSS-260	Network Security	4/4
XXXX-xxx	General Education Elective *	3/3
		15/15

* Additional courses as needed to reach 15 credits and 5 courses.