CENTRAL CAROLINA COMMUNITY COLLEGE

Science, Technology, Engineering & Math (STEM)

Program Planning Guide

Information Technology-Network and Cybersecurity Management Associate in Applied Science Degree (A25590NS)

Program Length: 6 semesters
Program Sites: Lee Main Campus - Day Program with some evening courses available
Career Pathway Options: Associate in Applied Science Degree in Information Technology-Network and Cybersecurity Management; Specialized Networking Certificate Programs

Suggested Course Schedule		Class	Lab	Work	Credits	Notes:
1st Semester (fall)						
ACA 122	College Transfer Success	0	2	0	1	
CTI 110	Web, Pgm & Db Foundation	2	2	0	3	
CTI 120	Network & Sec Foundation	2	2	0	3	
CTS 115	Info Systems Business Concept	3	0	0	3	
NOS 130	Windows Single User	2	2	0	3	
SEC 110	Security Concepts	2	3	0	3	
	Total Semester Hours	11	11	0	16	
2nd Semester (spring)						
NET 125	Intro to Networks	1	4	0	3	
NOS 120	Linux/UNIX Single User	2	2	0	3	
NOS 230	Windows Administration I	2	2	0	3	
SEC 150	Secure Communications	2	2	0	3	
Mathematics requirement, select one:						
MAT 143	Quantitative Literacy	2	2	0	3	
MAT 171	Precalculus Algebra	3	2	0	4	
	Total Semester Hours	9/10	12	0	15/16	
3rd Semester (summer)						
NET 126	Switching and Routing	1	4	0	3	
ENG 111	Writing and Inquiry	3	0	0	3	
	Total Semester Hours	**4**	**4**	**0**	**6**	

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4th Semester (fall)						
CIS 115	Intro to Programming & Logic	2	3	0	3	
NOS 220	Linux/UNIX Administration I	2	2	0	3	
SEC 160	Security Administration I	2	2	0	3	
Technical Elective, select one:						
CIS 110	Introduction to Computers	2	2	0	3	
CSC 113	Artificial Intel. Fundamentals	2	2	0	3	
CTS 120	Hardware/Software Support	2	3	0	3	
DBA 110	Database Concepts	2	3	0	3	
SEC 210	Intrusion Detection	2	2	0	3	
	Total Semester Hours	**8**	**9/10**	**0**	**12**	
5th Semester (spring)						
CTI 289	CTI Capstone Project	1	6	0	3	
SEC 175	Perimeter Defense	1	4	0	3	
NET 225	Routing & Switching I	1	4	0	3	
Communications Elective		3	0	0	3	
	Total Semester Hours	**6**	**14**	**0**	**12**	
6th Semester (summer)						
Humanities/Fine Arts Elective		3	0	0	3	
Social/Behavioral Science Elective		3	0	0	3	
	Total Semester Hours	6	0	0	6	
Total Semester Hours Credit Required for Graduation: 67						