CENTRAL CAROLINA COMMUNITY COLLEGE

Science, Technology, Engineering & Math (STEM)

Program Planning Guide

Information Technology-Business Systems & Operations Support Associate in Applied Science Degree (A25590BS)

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-Business Systems & Operations Support

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 Sys Business Concepts	3	0	0	3	
CTS 120	Hardware/Software Support	2	3	0	3	
NOS 130	Windows Single User	2	2	0	3	
	Total Semester Hours	11	11	0	16	
2nd Semester (spring)						
CIS 115	Intro to Prog & Logic	2	3	0	3	
CSC 113	Artificial Intelligence Fundamentals	2	2	0	3	
DBA 110	Database Concepts	2	3	0	3	
WEB 115	Web Markup & Scripting	2	3	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	10/11	13	0	15/16	
3rd Semester (summer)						
ENG 111	Writing & Inquiry	3	0	0	3	
	Total Semester Hours	3	0	0	3	

Effective Term: 2026Fall

4th Semester (fall)						
NOS 230	Windows Administration I	2	2	0	3	
SEC 110	Security Concepts	2	3	0	3	
Programming Elective, select one:						
CSC 134	C++ Programming	2	3	0	3	
CSC 139	Visual BASIC Programming	2	3	0	3	
CSC 151	JAVA Programming	2	3	0	3	
Technical Elective, select one:						
CIS 110	Intro to Computers	2	2	0	3	
CSC 134	C++ Programming	2	3	0	3	
CSC 139	Visual BASIC Programming	2	3	0	3	
CSC 151	JAVA Programming	2	3	0	3	
CTI 140	Virtualization Concepts	1	4	0	3	
	Total Semester Hours	7/8	10/11/12	0	12	
5th Semester (spring)						
CTI 289	CTI Capstone Project	1	6	0	3	
DBA 120	Database Programming I	2	2	0	3	
NOS 120	Linux/UNIX Single User	2	2	0	3	
WEB 151	Mobile Applications Devl	2	2	0	3	
Social/Behavioral Science Elective		3	0	0	3	
	Total Semester Hours	10	12	0	15	
6th Semester (summer)						
Humanities/Fine Arts Elective		3	0	0	3	
Communications Elective		3	0	0	3	
	Total Semester Hours	6	0	0	6	
Total Semester Hours Credit required for Graduation: 67						