CIT, INFORMATION TECHNOLOGY SPECIALIST, ASSOCIATE OF APPLIED SCIENCE

Plan of Study

3IT-ITSPEC

First Year

First Term

		Credits
ITSC 1325	Personal Computer Hardware	3
ITSC 1305	Introduction to PC Operating Systems	3
ITNW 1309	Fundamentals of Cloud Computing	3
ITNW 1325 or ITCC 1314	Fundamentals of Networking Technologies or CCNA 1: Introduction to Networks	3
ENGL 1301	Composition I	3
	Credits	**15**

Second Term

ITSY 1342	Information Technology Security	3
ITSE 1329	Programming Logic and Design	3
ITSC 1309	Integrated Software Applications I	3
ITNW 1313	Computer Virtualization	3
ITSE 1359	Introduction to Scripting Languages	3
	Credits	**15**

Second Year

First Term

Choose a Specialization below [1]		15
Cisco Specialization		
Systems Administration Specialization		
Cloud Specialization		
	Credits	**15**

Second Term

ENGL 1302 or ENGL 2311	Composition II or Technical and Business Writing	3
Mathematics		3
Social and Behavioral Sciences or Government/Political Science or American History		3
Language, Philosophy and Culture (Humanities) or Creative Arts (Fine Arts)		3
Select one of the following:		3
SPCH 1311	Introduction to Speech Communication	

SPCH 1315	Public Speaking	
SPCH 1318	Interpersonal Communication	
SPCH 1321	Business and Professional Speech	
	Credits	**15**
	Total Credits	**60**

Cisco Specialization

Code	Title	Credits
ITCC 1444	CCNA 2: Switching, Routing and Wireless Essentials	4
ITCC 2420	CCNA 3: Enterprise Networking, Security, and Automation	4
ITCC 2441	CCNA Security	4
Select one of the following:		3
ITSC 2364	Practicum - Computer and Information Sciences, General	
ITSY 2345	Network Defense and Countermeasures	
ITSY 2301	Firewalls and Network Security	
ITSC 1315	IT Project Management	
Total Credits		**15**

Capstone Experience: ITCC 2441 CCNA Security

Systems Administration Specialization

Code	Title	Credits
ITSC 1321	Intermediate PC Operating Systems	3
ITNW 1354	Implementing and Supporting Servers	3
ITNW 1353	Supporting Network Server Infrastructure	3
ITSY 2300	Operating System Security	3
Select one of the following:		3
ITSC 2364	Practicum - Computer and Information Sciences, General	
ITSY 2341	Security Management Practices	
ITSY 2342	Incident Response and Handling	
ITSW 1307	Introduction to Database	
ITSC 1315	IT Project Management	
Total Credits		**15**

Capstone Experience: ITNW 1353 Supporting Network Server Infrastructure

Cloud Specialization

Code	Title	Credits
ITNW 1336	Cloud Deployment & Infrastructure Management	3
ITNW 2327	Advanced Cloud Concepts	3
ITNW 1354	Implementing and Supporting Servers	3
Select two of the following:		6
ITSC 2364	Practicum - Computer and Information Sciences, General	
ITSC 1315	IT Project Management	
ITSC 1316	Linux Installation and Configuration	
ITSY 2300	Operating System Security	
ITSY 2341	Security Management Practices	
ITSY 2342	Incident Response and Handling	

ITNW 1353	Supporting Network Server Infrastructure	
Total Credits		**15**

Capstone Experience: ITNW 2327 Advanced Cloud Concepts

[1] For the 15 semester credit hours of the third term, students follow one of the three specializations: Cisco or Systems Administration or Cloud.