

Field of Study Curriculum for Computer Information Technology

Course Number	Course Title	Semester Credits	Hours
COSC 1436	Programming Fundamentals I	3 or 4	
COSC 1437	Programming Fundamentals II	3 or 4	
COSC 2436	Programming Fundamentals III	3 or 4	
COSC 2425	Computer Organization and Machine Language	3	
MATH 2413	Calculus I	3 or 4	
MATH 2414	Calculus II	4	
PHYS 2425	Physics I	4	
PHYS 2426	Physics II	26-31	SCH Total

Associate in Applied Science - Computer Networking

281-756-3669

Length: Four Semesters (Two Year) Program - Tech Prep

Purpose: The Computer Information Technology Networking program would prepare students for careers in many areas of LAN/WAN administration and design. ACC is a valued member of the Microsoft IT Academy program and thus holds a leveraged position for success in a variety of career opportunities (e.g. installing, managing and maintaining Microsoft servers and networks worldwide). This 63 credit A.A.S. program is designed to include the Microsoft Certified System Administrator (MCSA) and/or Microsoft Certified System Engineer (MCSE) sequence. Program graduates will be prepared for both of these industry leading certification examinations as well as the more basic CompTIA Network+ generic certification. This College has one networked classroom lab on the main campus dedicated exclusively to the Network Administrator/Engineer curriculum.

Course Number	Course Title	Lecture Hours	Lab Hours	Credits
FIRST YEAR				
First Semester				
1st Mini	ITNW 1358	2	2	3
2nd Mini	ITNW 1325	2	2	3
	CPMT 1411	3	3	4
	SOCI 1301	3	0	3
	BCIS 1405	3	3	4
		13	10	17
Second Semester				
1st Mini	ITMT 1302	2	2	3
2nd Mini	ITMT 1340			
	Operating System	2	2	3
	CPMT 2445	3	3	4
1st Mini	ITNW 2321	2	2	3
2nd Mini	ITSY 1342	2	2	3
	IT Security (Security+)	2	2	3
		11	11	16
SECOND YEAR				
First Semester				
	*Elective	3	0	3
1st Mini	ITMT 1350	2	2	3
2nd Mini	ITMT 2300	2	2	3
	Implementing & Administering Microsoft Windows Directory Services			
	ENGL 1301	3	0	3
	MATH 1333	3	0	3
	Composition I Contemporary Mathematics for Tech	3	0	3
		13	4	15
Second Semester				
	ENGL 1302	3	0	3
1st Mini	**ITMT 1355	3	3	3
2nd Mini	ITMT 2330	2	2	3
1st Mini	ITMT 2346	2	2	3
2nd Mini	ITMC 2355	2	2	3
	Designing a Windows Network Environment Designing a Windows Directory Svs Infrastructure Designing a Secure Windows Network Deploy & Manage Microsoft ISA Server	2	2	3
		15	9	15

* Elective is optional but provides flexibility and broader development of the program and individual.

** Capstone Course is ITMT 1355 - Managing a Windows Network Environment

Mini-Semesters run 8 weeks and are scheduled back-to-back (e.g. 1st Mini=8wks + 2nd Mini=16wks)

Total Credits Required for A.A.S of Computer Information Technology Networking63