

MOBERLY AREA COMMUNITY COLLEGE

Associate of Applied Science – Computer Information Technology (Networking Option)

Name: _____ ID#: _____ Date: _____

Networks drive the speed of business. The demand for information in the global economy requires consistent and robust network connectivity. Networking professionals provide this ever-increasing need. MACC offers a path to this exciting career through our nationally recognized Cisco Academy. In two semesters, an individual can prepare to become a Cisco Certified Network Associate (CCNA) and also be eligible for the widely recognized A+ certification. For those who wish to pursue the full Networking degree, MACC offers coursework in Linux Administration and Windows Server Management. Networking graduates are prepared to enter the field or transfer to a four-year institution. MACC also offers a 32 credit hour certificate and multiple Certificates of Specialization in this field. This academic map is a suggested semester-by-semester schedule of courses based upon the AAS degree requirements as outlined in the academic catalog.

Taken	Course	Semester	Hours	Milestone*
First Semester (Fall)				
	CIT106	IT Essentials	3	
	CIT135	^Object Oriented Programming I	3	
	CIT145	Web Design I	3	
	LAL101*** or BUS150***	^Composition I or ^Business Communication	3	LAL101 or BUS150
	MTH140	^Precalculus Algebra	3	MTH140
	SKL101	College Orientation	1	SKL101
			16	
Second Semester (Spring)				
	CIT105	^Programming I	3	CIT105
	CIT150	Linux Administration I	3	
	CIT152	Introduction to Networks	3	
		<u>Biological or Physical Science</u> (with lab)	4-5	
	SPK101	Public Speaking	3	
			16-17	
Third Semester (Fall)				
	CIT153	^Routing and Switching Essentials	3	
	CIT201	^Relational Database Systems	3	
	CIT238	^Windows Server Management I	3	
	HST105 or HST106 or PSC105	American History to 1865 or American History from 1865 or Functions & Policies of American Government	3	
		<u>Humanities</u>	3	
	SKL250 or CIT295	Employment Seminar or ^Computer Information Technology Internship	1-2	
			16-17	
Fourth Semester (Spring)				
	CIT239 or CIT245	^Windows Server Management II or ^Web Design II	3	
	CIT250	^Linux Administration II	3	
	CIT252	^Scaling Networks (1 st 8-weeks)	3	
	CIT253	^Connecting Networks (2 nd 8-weeks)	3	
	CIT255	^Cyber Security	3	
	CIT262	^Systems Project: Networking	3	
			18	
Total Hours for Degree			66-68	

(See Next Page for Additional Information)

*It is strongly recommended that students successfully complete the Milestone courses as planned on the academic map to ensure completion of the degree in two years. In addition, if students do not successfully complete the Milestone course(s), they are strongly encouraged to re-enroll in the course(s) the following semester.

**Note for all Computer Information Technology AAS degrees and certificates (32 credit hour and Certificates of Specialization): A grade of "C" or better must be achieved in all required CIT courses (course prefix "CIT") to earn an AAS degree, 32 credit hour certificate, or Certificate of Specialization.

***It is recommended that students take LAL101 Composition I if they are planning to transfer to a four-year college.

^Please refer to the course descriptions for pre/co-requisite and placement information. You can only register for these courses if you have met the prerequisite, placed into the course and/or enroll in the co-requisite course(s).