

MAJOR: BS--Applied Information Technology: Network Engineering Option

6/21/11

		Credit Hrs	Grade	Semester
I. TOTAL UNIVERSITY ORIENTATION		3		
II. TOTAL LIBERAL STUDIES		42		
III. MAJOR				
A. Core Requirements				
CIT	110	Web Development and Design	3	
CIT	111	Network Fundamentals	3	
CIT	120	Web Programming Concepts	3	
CIT	136	Computer Hardware: Management and Maintenance	3	
CIT	137	Computer Operating Systems: Management & Maintenance	3	
CIT	200	Network Operating Systems	3	
CIT	220	Intermediate Web Programming	3	
CIT	255	Multimedia Production	3	
CIT	310	Web Server Administration	3	
COS	484	Introduction to Network Security	3	
		CIT 481 IT Independent Study or CIT 497 Topics in Information Technology or CIT 499 Internship	3	
TOTAL CORE =		39		
B. Concentration/Specialization				
CIT	112	Router Theory and Configuration	3	
CIT	211	LAN Switching and Wireless	3	
CIT	212	Introduction to WAN Technology	3	
CIT	311	Advanced Routing	3	
CIT	312	Advanced LAN Switching	3	
CIT	411	Advanced WAN Technologies	3	
CIT	412	Optimizing Converged Networks	3	
CIT	453	Network Management	3	
CIT	451	VoIP Architecture	3	
TOTAL CONCENTRATION =		27		
C. Supporting Electives				
		Technical Elective (see advisor)--must be 300-400 level	3	
			3	
TOTAL SUPPORTING ELECTIVES =		3		
TOTAL MAJOR =		72		
IV. Free Electives (minimum 3 hours)				
<i>Note: A total of 42 semester credit hours at the 300/400 level (including major hours) are required for graduation</i>				
300-400 Level Electives				
		Elective	3	
		Elective		
		Elective		
		Elective		
		Elective		
		Elective		
TOTAL 300 -400 LEVEL ELECTIVES		3		
Other Free Electives				
		Elective		
		Elective		
		Elective		
TOTAL OTHER ELECTIVES =		8		
TOTAL FREE ELECTIVES =		11		
TOTAL DEGREE PROGRAM =		122	Must be 120 or more	

Note: Courses beginning with a zero (0XX-Developmental courses) do not count toward graduation