

**Faculty of Administrative Sciences**

**Department: Information Technology and Computer Science**

Major: Information Technology

Summary: The Information Technology program helps students prepare to perform tasks associated with upgrading computer systems and developing wide area and local area network capabilities. Additional curriculum topics, investigated through classroom theory and practical applications in a laboratory environment, include network operating systems, open source tools, switching, routing, WAN devices, network security including firewalls and gateways, and network systems design and implementation. This program can help graduates begin careers in a variety of entry-level positions in various fields involving IT and computer network systems.

<b>BS in Information Technology</b>				
<b>August 26, 2014</b>				
<b>Sophomore</b>				
<b>Semester</b>	<b>Course Code</b>	<b>Course Title</b>	<b>Credits</b>	<b>Prerequisite</b>
<b>FALL</b>	ARB208	Arabic Language and Literature	3	
	CSC201	Computer Programming	3	ENG022
	CSC222	Computer Systems	3	ENG022
	ENG201	English Essays and Composition	3	ENG105
	IT203	Digital Systems	3	ENG022
		<b>Total</b>		<b>15</b>
<b>SPRING</b>	ARB209	Arabic Rhetoric	3	ARB208
	CSC202	Object Oriented Programming	3	CSC201
	ENG202	English Communication Skills	3	ENG201
	IT301	Computer Organization and Architecture	3	IT203, CSC201
	MTH215	Probability and Statistics	3	MTH101
	MTH203	Discrete Mathematics	3	MTH102
	<b>Total</b>		<b>18</b>	
<b>Junior</b>				
<b>Semester</b>	<b>Course Code</b>	<b>Course Title</b>	<b>Credits</b>	<b>Prerequisite</b>
<b>FALL</b>	CLT201	Cultural Studies I	3	
	CSC303	Database Management Systems	3	CSC201
	IT211	Enterprise Servers	3	IT203, CSC201
	IT322	Networking I	3	CSC201
	MTH201	Calculus II	3	MTH102
	MTH301	Linear Algebra	3	MTH102
	<b>Total</b>		<b>18</b>	
<b>SPRING</b>	CLT202	Cultural Studies II	3	CLT201
	CSC306	Software Engineering	3	CSC303
	CSC324	Enterprise Database Systems	3	CSC303
	IT313	Network Infrastructures	3	IT322, IT211
	IT323	Networking II	3	IT322
	IT328	Information Security I	3	IT322
	<b>Total</b>		<b>18</b>	
<b>Senior</b>				
<b>Semester</b>	<b>Course Code</b>	<b>Course Title</b>	<b>Credits</b>	<b>Prerequisite</b>
<b>FALL</b>	IT403	Open Source Systems	3	IT322
	IT407	Firewalls and Gateways	3	IT328
	IT422	Networking III	3	IT323
	IT495	IT Practicum	3	
	<b>Total</b>		<b>12</b>	
<b>SPRING</b>	ENG308	Business Communication	3	ENG202
	IT303	Data Communication Systems	3	IT322, MTH210, MTH102
	IT428	Information Security II	3	IT328
	IT499	IT Senior Project	3	ENG202
	CSC305	Operating Systems	3	IT403
	<b>Total</b>		<b>15</b>	
<b>Major Total</b>			<b>96</b>	