

**Faculty of Administrative Sciences**

**Department: Information Technology and Computer Science**

Major: Computer Science

Summary: The Computer Science program is offered for individuals who are interested in applying, designing, and implementing computer systems. Graduates of the Computer Science program are prepared to seek a wide variety of technical positions, including systems programmer, systems analyst, software engineer, database administrator, webmaster, and networking engineer, or admission to graduate school. Students are provided with a sound theoretical and practical background coupled with the skills to understand, develop and use theories.

<b>BS in Computer Science</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
	CSC308	Mathematical Programming	3	MTH102
	MTH301	Linear Algebra	3	MTH102
	IT322	Networking I	3	CSC201
	MTH201	Calculus II	3	MTH102
	<b>Total</b>		<b>18</b>	
<b>SPRING</b>	CSC301	Data Structures and Algorithms	3	CSC202
	IT328	Information Security I	3	IT322
	CSC306	Software Engineering	3	CSC303
	CSC324	Enterprise Database Systems	3	CSC303
	CLT202	Cultural Studies II	3	CLT201
	<b>Total</b>		<b>15</b>	
<b>Senior</b>				
<b>Semester</b>	<b>Course Code</b>	<b>Course Title</b>	<b>Credits</b>	<b>Prerequisite</b>
<b>FALL</b>	CSC424	Software Development	3	CSC202
	CSC203	Web Development	3	CSC324
	IT403	Open Source Systems	3	IT322
	CSC330	CSC Seminar (Elective)	3	
	CSC495	CSC Practicum	3	CSC306
	<b>Total</b>		<b>15</b>	
<b>SPRING</b>	CSC305	Operating Systems	3	IT403
	CSC499	CSC Senior Project	3	ENG202
	ENG308	Business Communication	3	ENG202
	IT428	Information Security II	3	IT328
	MIS304	Applied Management Science	3	MTH200
	<b>Total</b>		<b>15</b>	
<b>Major Total</b>			<b>96</b>	