

First Semester		الفصل الأول	
Course No.	Course Title	Pre-Req. المتطلبات	Credits الوحدات
61151	IT Foundations	----	3
61152	Programming I	----	4
61155	Mathematics I	----	3
61150	English I	----	3
61157	Arabic	----	2
<b>Semester Credit Hours – 15</b>			
Second Semester		الفصل الثاني	
Course No.	Course Title	Pre-Req. المتطلبات	Credits الوحدات
61252	Programming II	61152	4
61256	Probability and Statistic	----	3
61255	Mathematics II	61155	3
61250	English II	61150	3
61257	Int. to Computer Networking	61151	3
<b>Semester Credit Hours – 16</b>			
Third Semester		الفصل الثالث	
Course No.	Course Title	Pre-Req. المتطلبات	Credits الوحدات
62137	Int. to Software Engineering	61151	3
62150	Mathematics for computing	61252- 61155	3
62153	Int. to Database Systems	61252	3
62154	Int. to Information Systems	61151	3
63168	Int. to Healthcare systems	--	3
62156	Communication Skills	20Cr. Hrs.	2
<b>Semester Credit Hours –17</b>			
Fourth Semester		الفصل الرابع	
Course No.	Course Title	Pre-Req. المتطلبات	Credits الوحدات
62253	Software Requirements Engineering	62137	3
61254	Digital and Logic Design	61151	4
62235	Database Management Systems	62153	3
62263	Concepts of Diseases & Medical Terminology I	----	3
62266	Organization and Management in Healthcare Facilities	63168	4
63160	Critical Thinking	-----	2
<b>Semester Credit Hours – 19</b>			

Fifth Semester		الفصل الخامس	
Course No.	Course Title	Pre-Req. المتطلبات	Credits الوحدات
63180	Int. to Web Development	62153	3
63164	Concepts of Diseases and Medical Terminology II	62263	3
63221	Security principles and practices	61151	3
64170	Health Information Standards	63168	3
63112	Technical Writing	61250	3
63152	Software Design	62253	3
<b>Semester Credit Hours – 18</b>			
Sixth Semester		الفصل السادس	
Course No.	Course Title	Pre-Req. المتطلبات	Credits الوحدات
63165	Legal & Ethical Issues in Health Informatics1	63221	1
64171	Healthcare Computer Systems and Electronic Health Records	61151-64170	3
64169	Healthcare Statistics and Analysis	63168	3
63274	Quality Management and problem-solving for healthcare	62266	4
63141	Web Application Development	63180	4
<b>Semester Credit Hours – 15</b>			
Seventh Semester		الفصل السابع	
Course No.	Course Title	Pre-Req. المتطلبات	Credits الوحدات
64414	Data Mining	62153	3
64276	Human Aspects of Healthcare Information Systems	63168	3
63270	Principles of Public Health and Basic Epidemiology	64169	4
64141	Internship	75 Cr. Hrs.	-
64142	IT Capstone Project I	90 Cr. Hrs.	2
76326	Legal & Ethical Issues in Health Informatics II	63165	2
63253	Research Methods	75 Cr. Hrs.	2
<b>Semester Credit Hours – 16</b>			
Eighth Semester		الفصل الثامن	
Course No.	Course Title	Pre-Req. المتطلبات	Credits الوحدات
64277	IT Project Management	62137	3
	Student selected Courses		3
	Student selected Courses		3

	Elective course		-
64280	IT Capstone Project II	64142	4
<b>Semester Credit Hours – 13</b>			

<b>Student selected Courses</b>			
<b>Course #</b>	<b>Course Title</b>	<b>Pre-Req.</b> المتطلبات	<b>Credits</b> الوحدات
64412	Mobile application development	63141	3
64413	Big Data	62153	3
64411	Enterprise resource planning	62154	3
64173	Strategic application of IT in Healthcare	64171	<b>3</b>
62170	Int. to artificial intelligence	61151	<b>3</b>

**Total number of semesters: 8**

**Total number of courses: 43**

**Total credits hours: 129**

Fifth Semester		الفصل الخامس	
Course No.	Course Title	Pre-Req. المتطلبات	Credits الوحدات
63180	Int. to Web Development	62153	3
63164	Concepts of Diseases and Medical Terminology II	62263	3
63221	Security principles and practices	61151	3
64170	Health Information Standards	63168	3
63112	Technical Writing	61250	3
63152	Software Design	62253	3
<b>Semester Credit Hours – 18</b>			
Sixth Semester		الفصل السادس	
Course No.	Course Title	Pre-Req. المتطلبات	Credits الوحدات
63165	Legal & Ethical Issues in Health Informatics1	63221	1
64171	Healthcare Computer Systems and Electronic Health Records	61151-64170	3
64169	Healthcare Statistics and Analysis	63168	3
63274	Quality Management and problem-solving for healthcare	62266	4
63141	Web Application Development	63180	4
<b>Semester Credit Hours – 15</b>			
Seventh Semester		الفصل السابع	
Course No.	Course Title	Pre-Req. المتطلبات	Credits الوحدات
64414	Data Mining	62153	3
64276	Human Aspects of Healthcare Information Systems	63168	3
63270	Principles of Public Health and Basic Epidemiology	64169	4
64141	Internship	75 Cr. Hrs.	-
64142	IT Capstone Project I	90 Cr. Hrs.	2
76326	Legal & Ethical Issues in Health Informatics II	63165	2
63253	Research Methods	75 Cr. Hrs.	2
<b>Semester Credit Hours – 16</b>			
Eighth Semester		الفصل الثامن	
Course No.	Course Title	Pre-Req. المتطلبات	Credits الوحدات
64277	IT Project Management	62137	3
	Student selected Courses		3
	Student selected Courses		3

	Elective course		-
64280	IT Capstone Project II	64142	4
<b><i>Semester Credit Hours – 13</i></b>			