

Health Informatics Study Plan

First Semester			
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
<i>Semester Credit Hours – 15</i>			
Second Semester			
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
<i>Semester Credit Hours – 16</i>			
Third Semester			
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
<i>Semester Credit Hours –17</i>			
Fourth Semester			
Course No.	Course Title	Pre-Req. المتطلبات	Credits الوحدات
62253	Software Requirements Engineering	62137	3
62237	Visual Programming	62153	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
<i>Semester Credit Hours – 19</i>			

Fifth Semester

Course No.	Course Title	Pre-Req. المتطلبات	Credits الوحدات
61254	Digital and Logic Design	61151	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

*Semester Credit Hours – 18***Sixth Semester**

Course No.	Course Title	Pre-Req. المتطلبات	Credits الوحدات
63165	Legal & Ethical Issues in Health Informatics I	63221	1
64171	Healthcare Computer Systems and Electronic Health Records	64170 -61151	3
64169	Healthcare Statistics and Analysis	63168	3
63274	Quality Management and problem-solving for healthcare	62266	4
63141	Web Application Development	62237	4

*Semester Credit Hours – 15***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
63267	Legal & Ethical Issues in Health Informatics II	63165	2
63253	Research Methods	75 Cr. Hrs	2

*Semester Credit Hours – 16***Eighth Semester**

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

Semester Credit Hours – 13

Student selected Courses			
Course #	Course Title	Pre-Req. المتطلبات	
64412	Mobile application development	63141	3
63163	E-Commerce and E-Marketing	62154	3
64121	Network Security	63221	3
64413	Big Data	62153	3
64411	Enterprise resource planning	62154	3
64173	Strategic application of IT in Healthcare	64171	3
63127	Virtualization and Cloud Computing	61257	3
62122	Network Protocols	61257	3

Total number of semesters: 8

Total number of courses: 43

Total credits hours: 129