

Health Informatics Program Study plan
Fall 2026-2027: 26-9-2026
New Coding.

	First Semester		الفصل الأول	
NEW CODING	Course No.	Course Title	Pre-Req. المتطلبات	Credits الوحدات
2SW101	61151	IT Foundations	----	3
2SW102	61152	Programming I	----	4
2GT101	61155	Mathematics I	----	3
2GU115	61150	English I	----	3
2GU110	61157	Arabic Language	----	2
Semester Credit Hours – 15				
	Second Semester		الفصل الثاني	
NEW CODING	Course No.	Course Title	Pre-Req. المتطلبات	Credits الوحدات
2SW103	61252	Programming II	2SW102	4
2GU121	61256	Probability and Statistic	----	3
2GT102	61255	Mathematics II	2GT101	3
2GU116	61250	English II	2GU115	3
2NC101	61257	Int. to Computer Networking	2SW101	3
Semester Credit Hours – 16				
	Third Semester		الفصل الثالث	
NEW CODING	Course No.	Course Title	Pre-Req. المتطلبات	Credits الوحدات
2SW211	62137	Int. to Software Engineering	2SW101	3
2SW204	62150	Mathematics for computing	2GT101 2SW103	3
2SW270	62153	Int. to Database Systems	2SW103	3
2SW212	62154	Int. to Information Systems	2SW101	3
2HI201	63168	Int. to Healthcare systems	-----	3
2GU215	62156	Communication Skills	20Cr. Hrs.	2
Semester Credit Hours –17				
	Fourth Semester		الفصل الرابع	
NEW CODING	Course No.	Course Title	Pre-Req. المتطلبات	Credits الوحدات
2SW220	62253	Software Requirements Engineering	2SW211	3
2TC232	61254	Digital Logic	2SW101	3
2SW371	62235	Database Management Systems	2SW270	3
2HI202	62263	Concepts of Diseases & Medical Terminology I	-----	3
2HI203	62266	Organization and Management in Healthcare Facilities	2HI201	4
2GU400	63160	Critical Thinking	-----	2
Semester Credit Hours – 18				

	Fifth Semester الفصل الخامس			
NEW CODING	Course No.	Course Title	Pre-Req. المتطلبات	Credits الوحدات
2SW364	63180	Int. to Web Development	2SW270	4
2HI302	63164	Concepts of Diseases and Medical Terminology II	2HI202	3
2NC204	63221	Security principles and practices	2SW101	3
2HI303	64170	Health Information Standards	2HI201	3
2GE212	63112	Technical Writing	2GU116	3
2SW321	63152	Software Design	2SW220	3
	Semester Credit Hours – 19			
	Sixth Semester الفصل السادس			
NEW CODING	Course No.	Course Title	Pre-Req. المتطلبات	Credits الوحدات
2HI304	63165	Legal & Ethical Issues in Health Informatics1	2NC204	1
2HI305	64171	Healthcare Computer Systems and Electronic Health Records	2HI303 2SW101	3
2HI306	64169	Healthcare Statistics and Analysis	2HI201	3
2HI307	63274	Quality Management and problem-solving for healthcare	2HI203	4
2SW365	63141	Web Application Development	2SW364	4
	Semester Credit Hours – 15			
	Seventh Semester الفصل السابع			
NEW CODING	Course No.	Course Title	Pre-Req. المتطلبات	Credits الوحدات
2HI404	63267	Legal & Ethical Issues in Health Informatics II	2HI304	2
2HI405	64276	Human Aspects of Healthcare Information Systems	2HI201	3
2HI406	63270	Principles of Public Health and Basic Epidemiology	2HI306	4
2HI407	64142	IT Capstone Project I	90 Cr. Hrs.	2
2HI408	64141	Internship	75 Cr. Hrs.	-
2HI409	64414	Data Mining in Health Informatics	2SW371	3
2GU415	63253	Research Methods	75 Cr. Hrs.	2
	Semester Credit Hours – 16			
	Eighth Semester الفصل الثامن			
NEW CODING	Course No.	Course Title	Pre-Req. المتطلبات	Credits الوحدات
2SW414	64277	IT Project Management	2SW211	3
		Student selected Courses		3
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		Elective course		-
2HI410	64280	IT Capstone Project II	2HI407	4
	Semester Credit Hours – 13			

	Student selected Courses			
NEW CODING	Course No:	Course Title	Pre-Req. المتطلبات	
2SW468	64412	Mobile application development	2SW365	3
2SW515	64411	Enterprise resource planning	2SW212	3
2SW422	64153	Software Testing and Quality Assurance	2SW321	3
2HI411	64173	Strategic application of IT in Healthcare	2HI305	3
2AI201	62170	Int. to artificial intelligence	2SW101	3

Total number of semesters: 8

Total number of courses: 43

Total credits hours: 129