

## Study Plan for Master's Degree in Health Information Technology for year 2021-2022

The Master's Degree Program (Thesis ) in Health Information Technology awarded at Princess Sumaya University for Technology after the successful completion of 33 Credit Hours distributed as follows:-

### Program Requirements (24 CHs)

#### 1. Compulsory Requirements (21 CHs)

Course Number	Course Title	Credit Hours	Prerequisite	Concurrent
13770	Health information systems	3		
13771	Database Management Systems	3		
13772	System Analysis and Modelling	3		
13773	Biostatistics	3		
13774	Epidemiology Methods and Uses	3		
13775	Health information system security	3		
13791	Research Methodologies	3		

#### 2. Elective Requirements (3 CHs)

Course Number	Course Title	Credit Hours	Prerequisite	Concurrent
13743	Cloud Computing & Big Data	3		
13761	AI for health systems	3		
13762	Enterprise Healthcare Information Systems	3		
13763	Medical image perception (Processing)	3		
13764	Knowledge Management Systems	3		
13765	Quality Frameworks for Health Innovation	3		
13766	Health Technology Evaluation	3		
13767	Qualitative Methodologies & Study Design	3		
13768	Visual Analytics (Data Visualization)	3		
13769	Health and Risk management	3		
13777	special topics in health technology	3		
14722	Data Mining	3		

### Thesis Requirements (9 CHs)

Course Number	Course Title	Credit Hours	Prerequisite	Concurrent
13779	Thesis	9		
137790	Thesis	0		
137793	Thesis	3		
137796	Thesis	6		