HEALTH MANAGEMENT, MASTER OF INFORMATION SYSTEMS

The Master of Information Systems in Health Management is a unique program designed to prepare students for professional roles in the design and management of information systems and services in healthcare organizations.

While Qatar has already started the digitization of health records and implementation of digital-based data collection and storage systems, there is limited access to expertise in implementation and management of such health information systems.

For more information, click here (https://www.hbku.edu.qa/en/cse/ma-info-sys-health-management/).

Requirements

Minimum hours required to complete program 33 CH

Code	Title	Hours
Core Courses		
ICT 670	Information Technology Project Management	3
ICT 671	Information Systems Management	3
ICT 675	Healthcare Information Systems	3
ICT 676	Information Systems Analysis and Design	3
Subtotal		12
Elective Courses		
Select five of the following:		15
	Free elective: Students can take one course from any HBKU program	
CSE 602	Statistics for Science and Engineering	
CSEG 710	Advanced Algorithms and Data Structures	
CYSE 630	Computer and Network Security	
CYSE 640	Security Risk Analysis	
CYSE 720	Data Privacy	
DSEG 733	Advanced Data Management System	
DSEG 735	Learning from Data	
ICT 632	Advanced Applications of the Web and Internet	
ICT 660	Principles of Health Informatics	
ICT 665	Artificial Intelligence and Machine Learning in Healthcare	
ICT 666	Computational Bioinformatics	
ICT 668	Medical Image Processing	
ICT 690	Special Topics	
ICT 705	Applied Data Analytics	
ICT 706	Independent Studies	
ICT 716	Data Science Tools and Applications	
ICT 736	Interactive Design for Health care	
Subtotal		15
Seminar		
Must pass one time		
ICT 701	Graduate Research Seminars	0
Subtotal		0
Project		
ICT 698	Industrial/ Project	6
Subtotal		6
Total Hours		**33**

Study Plan

Course	Title	Hours
First Year		
First Semester		
ICT 670	Information Technology Project Management	3
ICT 675	Healthcare Information Systems	3
ICT 701	Graduate Research Seminars	0
Elective 1		3
	Semester Hours	**9**
Second Semester		
ICT 671	Information Systems Management	3
ICT 676	Information Systems Analysis and Design	3
Elective 2		3
	Semester Hours	**9**
Second Year		
First Semester		
Elective 3		3
Elective 4		3
Elective 5		3
	Semester Hours	**9**
Second Semester		
ICT 698	Industrial/ Project	6
	Semester Hours	**6**
	Total Hours	**33**