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In the Name Of Allah, the Most Beneficent, the
Most Merciful



Imam Mohammad Ibn Saud Islamic University
College of Computer and Information Sciences
Department of Information Systems

Program Description of
Master of Science in Information Systems
(Thesis-Option)





Program Components - Thesis Option

1. The core courses (18 Credit Hours) as follows:

Group A	Course No.	Course Name	Cr. Hrs.	Prerequisite
	IS 611	IS Strategy and Policy	3	
	IS 621	IT Infrastructure	3	
	IS 631	Enterprise Architecture	3	
	IS 612	Project and Change Management	3	
	IS 641	Advanced Analysis, Modelling and Design	3	
	IS 622	Emerging Technologies and Issues	3	

Core courses



2. Specialization Courses (6 Credit Hours)

↯ selective courses that must be chosen from 4 sets of courses divided based in its theme:

Selected topic (group 1)			
Course Number	Course Name	Credit Hours	Prerequisite
IS 713	Implications of Digitisations	3	
IS 714	IS/Business Alignment	3	
IS 715	IS Consulting	3	
IS 723	IT Governance	3	
IS 724	Enterprise Network Management	3	
Selected topic (group 2)			
Course Number	Course Name	Credit Hours	Prerequisite
IS 742	Requirements and Information Engineering	3	
IS 743	Service-oriented Architecture	3	
IS 751	Human Computer Interaction	3	
IS 752	Advanced Topics in IS	3	
Selected topic (group 3)			
Course Number	Course Name	Credit Hours	Prerequisite
IS 771	Business Intelligence	3	
IS 772	Data Mining and Warehousing	3	
IS 773	Knowledge Management	3	
IS 774	Advanced Web Services	3	
Selected topic (group 4)			
Course Number	Course Name	Credit Hours	Prerequisite
IS 781	IS Audit	3	



IS 782	Process and Service Improvement	3	
IS 783	IS Quality Management	3	
IS 784	Statistical Process Control and Quality Tools	3	
IS 785	Risk Management	3	

Selective Courses



3. Courses of Research Nature (Core Courses, 8 Credit Hours)

Course No.	Course Name	Cr. Hrs.	Prerequisite
IS 790	Research Methods & Ethics	2	Group A
IS 794	Thesis	6	IS 790



Guide Plan of Thesis-Based Option Master of Science Specialization: Information Systems

Group A

Semester I (9 Credit Hours)			
Course Number	Course Name	Credit Hours	Prerequisite
IS 621	IT Infrastructure	3	
IS 631	Enterprise Architecture	3	
IS 641	Advanced Analysis, Modelling and Design	3	

Semester II (9 Credit Hours)			
Course Number	Course Name	Credit Hours	Prerequisite
IS 611	IS Strategy and Policy	3	
IS 612	Project and Change Management	3	
IS 622	Emerging Technologies and Issues	3	

Semester III (8 Credit Hours)			
Course Number	Course Name	Credit Hours	Prerequisite
	Selected topic from group (1,2)	3	
	Selected topic from group (3,4)	3	
IS 791	Research Methods & Ethics	2	

Semester IV (6 Credit Hours)			
Course Number	Course Name	Credit Hours	Prerequisite
IS 794	Thesis	6	IS 791

Thesis can be registered from semester III