Bachelor's **Information Systems**

"New Plan 2019-2020"

Includes 8 Levels - 48 Courses - 133 Hours of Study

Level 1 - 6 Courses - 18 Hours

Course Code	Course Title	Hours	Prerequisites
CS 150	Intrduction to Computer Programming	4	
MATH 101	Calculus 1	4	
ENG 140	English Language 1	3	
CS 114	Discrete Structures 1	3	
PHY 103	General Physics	3	
GUR 101	The Holy Qur'an 1	1	

Level 2 - 6 Courses - 18 Hours

Course Code	Course Title	Hours	Prerequisites
CS 125	Digital Logic Design	4	CS 114
CS 151	Object Oriented Programming	4	CS 150
ENG 141	English Language 2	3	ENG 140
IS 201	Foundations of Information Systems	3	CS 114
PHY 104	Applied Physics	3	PHY 103
GUR 151	The Holy Qur'an 2	1	

Level 3 - 6 Courses - 17 Hours

Course Code	Course Title	Hours	Prerequisites
CS 252	Data Structures	4	CS 151 – CS 114
IS 230	Business Requirement Analysis	3	IS 201
ENG 210	Technical Writing	3	ENG 141
BUS 100	Introduction to Business Administration	3	
ECO 105	Microeconomics Principles	3	
GUR 201	The Holy Qur'an 3	1	

Level 4 - 6 Courses - 16 Hours

Course Code	Course Title	Hours	Prerequisites
CS 222	Operating Systems	4	CS 252 – CS 125
IS 220	Introduction to Databases	3	CS 252 – IS 230
STAT 111	Introduction to Probability and Statistics	3	MATH 101
ACC 100	Accounting Principles	3	BUS 100
ARB 105	Arabic Grammar	2	
GUR 251	The Holy Qur'an 4	1	

Level 5 - 6 Courses - 17 Hours

Course Code	Course Title	Hours	Prerequisites
CS 330	Computer Networks	4	CS 222
IS 321	Database Management Systems	3	IS 220
IS 350	Decision Support Systems	3	STAT 111
IS 335	Systems Analysis and Design	3	IS 220
MKT 301	Marketing Principles	2	BUS 100
IDE 133	Monotheism	2	

Level 6 - 6 Courses - 17 Hours

Course Code	Course Title	Hours	Prerequisites
IS 336	Information Systems Project Management	3	IS 335
IS 380	Cyber Security	3	CS 330 – IS 321
IS 337	Application Development	3	IS 321
FIN 300	Financial Principles	3	ACC 100
HIS 102	History of The Kingdom of Saudi Arabia	2	
IS ---	Optional Course	3	

Summer Semester - 1 Course - 1 Hour

Course Code	Course Title	Hours	Prerequisites
IS 398	Internship	1	CS 330 – IS 335 IS 321 – IS 350

Level 7 - 6 Courses - 15 Hours

Course Code	Course Title	Hours	Prerequisites
IS 495	Graduation Project 1	3	IS 336 – IS 337
IS 460	Electronic Business	3	IS 337 – MKT 301
IS 492	Information Security	3	IS 380
IS 401	Business Communication	1	FIN 300 – MKT 301
DAW 129	The Reform Movement	2	
IS ---	Optional Course	3	

Level 8 - 5 Courses - 14 Hours

Course Code	Course Title	Hours	Prerequisites
IS 496	Graduation Project 2	3	IS 495
IS 482	Information Systems Strategy and Policy	3	IS 460
IS 410	Enterprise Architecture	3	IS 336
JR 200	Electronic Transactions Jurisprudence	2	
IS ---	Optional Course	3	

Optional Courses:

Optional Course 1 - 6 Courses - Computing Systems Group			
Course Code	Course Title	Hours	Prerequisites
IS 352	Geographic Information Systems	3	IS 220
IS 370	Human Computer Interaction	3	IS 220
IS 372	User Experience	3	IS 220
IS 323	Knowledge Management Systems	3	IS 335
IS 354	Health Information Systems	3	IS 335
IS 384	Special Topic in Information Systems 1	3	IS 335

Optional Course 2 - 5 Courses - Data Management Group			
Course Code	Course Title	Hours	Prerequisites
IS 424	Database Administration	3	IS 321 – IS 336
IS 440	Data Mining	3	IS 336
IS 442	Business Intelligence	3	IS 336
IS 435	Software Quality and Testing	3	IS 335 – IS 336
IS 385	Special Topic in Information Systems 2	3	IS 336

Optional Course 3 - 5 Courses – Business Management Group			
Course Code	Course Title	Hours	Prerequisites
IS 463	Change Management	3	IS 336
IS 451	ERP Systems	3	IS 335 – ACC 100
IS 461	Business Process Management	3	IS 335 – IS 336
IS 487	Secure Electronic Commerce	3	IS 336
IS 491	Special Topic in Information Systems 3	3	IS 335