

بكالوريوس...نظم المعلومات.....- Plan of Study in Semesters(البرامج الهندسية والعلمية)

First Year (Preparatory) Semester (1)

Course Code	Title	Credit	Units	T
IC101	Introduction to Islamic Culture	2	(2,0,0)	
MATH1050	Differential Calculus	4	(2,2,0)	
ENGL1210	Reading Skills	5	(2,3,0)	
ENGL1220	Writing Skills	5	(2,3,0)	
Total		16	(8,8,0)	

First Year (Preparatory) Semester (2)

Course Code	Title	Credit	Units	T
ARAB101	Language Skills	2	(2,0,0)	
ENGL1230	Listening/Speaking Skills	5	(2,3,0)	
MATH1060	Integral Calculus	4	(2,2,0)	MATH1050
CT1400	Computer skills	3	(1,0,2)	
Total		14	(7,5,2)	

First Year (Preparatory) Semester (3)

Course Code	Title	Credit	Units	T
MC1400	Communication Skills	2	(2,0,0)	
PHYS 1010	General Physics (1)	5	(3,1,1)	
ENGL1604	English for Technical Purposes	5	(4,0,1)	
ENGL1606	English for Academic Purposes	4	(2,2,0)	
Total		16	(11,3,2)	

Second Year (4/12)-common1

Course Code	Title	Credit	Units	T
CS1301	Computer Programming 1	5	(3,0,2)	
MATH2220	Linear Algebra for Computer Students	4	(4,0,0)	
CS1112	Discrete Mathematics	4	(4,0,0)	
IC102	Social System in Islam	2	(3,0,0)	
SE1010	Emerging Digital Technologies	2	(2, 0, 0)	
Total		17	(16,0,2)	

Second Year (5/12)-common2

Course Code	Title	Credit	Units	T
CE1111	Logic Design	4	(4,1,0)	
CS2301	Computer Programming 2	5	(3,0,2)	CS1301
IS2511	Fundamentals of Database Systems	4	(3,0,1)	
STAT1050	Probability and Statistics for Computer Students	4	(4,0,0)	
Total		17	(14,1,3)	

Second Year (6/12)-Level1 IS

Course Code	Title	Credit	Units	T
IS3311	Quantitative Analysis	4	(4,0,0)	STAT1050
IS 2010	Introduction to Business	3	(3,0,0)	
ARAB 103	Language Writing	2	(2,0,0)	
CS 2321	Algorithms and Data Structures	4	(4,1,0)	CS1301
IS2121	Foundations of IS	3	(3,0,0)	
Total		16	(16,1,0)	

Third Year (7/12)

Course Code	Title	Credit	Units	T
IS3611	Systems Analysis and Design	4	(3,0,1)	IS2121
ACC103	Principles of Financial Accounting	5	(4,2,0)	IS 2010
IS2011	Principles of marketing	2	(2,0,0)	IS 2010
IS3511	Database Management Systems	4	(3,0,1)	IS2511
IS3101	Enterprise Architecture	3	(3,0,0)	IS2121
Total		17	(15,2,2)	

Third Year (8/12)

Course Code	Title	Credit	Units	T
IS3641	IS Projects Management	4	(3,0,1)	
CE3761	Computer Networks Systems	4	(4,0,0)	
IS4811	Foundations of Data Science	3	(2,0,1)	
IC103	Economic System in Islam	2	(2,0,0)	
CS3701	Operating Systems	4	(4, 0, 0)	CS2321
Total		17	(15,0,2)	

Third Year (9/12)

Course Code	Title	Credit	Units	T
IS3401	Supply Chain Management	4	(4,0,0)	IS2010
IS4601	IS Strategy & Management	3	(3,0,0)	IS3611
IC104	Political System in Islam	2	(3,0,0)	-----
CS3801	Fundamentals of Cyber Security	4	(4,0,0)	
IS4201	Enterprise Resource Planning Systems	3	(2,0,1)	IS2121
Total		16	(16,0,1)	

Fourth Year Semester (10/12)

Course Code	Title	Credit	Units	T
IS4905	IS Ethics & Sustainability	3	(3,0,0)	
IS4571	Data Mining	4	(4,0,1)	IS2511
IS4511	Databases Administration	4	(3,0,1)	XXXX
CS3101	Seminar in Undergraduate Advanced Research	2	(2,0,0)	At least 125 C.H
IS4904	Web and mobile applications development	4	(3,0,1)	
Total		17	(15,0,2)	

Fourth Year Semester (11/12)

Course Code	Title	Credit	Units	T
IS4241	Digital Business	4	(3,0,1)	
IS4911	Final Year Project1	3	(3,0,0)	CS3101
XXXX	Elective course 1	4	(3,0,1)	CS3101
XXXX	Free Course	2	(2,0,0)	
Total		13	(11,0,2)	

Fourth Year Semester (12/12)

Course Code	Title	Credit	Units	T
IS4921	Final Year Project2	3	(3,0,0)	IS4911
XXXX	Elective course 2	4	(3,0,1)	
XXXX	Elective course 3	4	(3,0,1)	
IS4711	Innovation and Entrepreneurship in Information Systems	4	(4,0,0)	
Total		15	(13,0,2)	

Field Training

Course Code	Title	Credit	Hours	T
IS4912	Field Training	3	(3,0,0)	less than 130 C.H remainig

The Total Number of Credit Units for Program: Cr. Hr. 191(157,20,20)

متطلبات القسم الاختيارية

علاوة على ما يأخذه الطالب من المقررات الإجبارية، هناك 12 ساعة معتمدة يجب على الطالب اختيارها من قائمة المقررات الاختيارية أدناه.

الرمز	الرقم	اسم المقرر	المتطلب السابق	الساعات المعتمدة	توزيع الساعات	عملية
					محاضرة	تمارين
IS	4731	Internet of things applications and systems		4	3	0
IS	4591	data warehouse	3511 IS	4	3	0
IS	4631	Monitoring and auditg in information technology	3611 IS	4	4	0
IS	4701	Business Process Management		4	3	0
IS	4251	decision support systems	3311 IS	4	3	0
IS	4211	knowledge-based systems	2121 IS	4	3	0
IS	4881	Computer investigations and analytics	3801 CS	4	3	0
IS	4511	database management	3511 IS	4	3	0
IS	4221	knowledge management	2121 IS	4	3	0
IS	4891	Planning for disaster recovery	3801 CS	4	4	0
IS	4801	healthcare information		4	3	0
IS	4501	Introduction to data centers		4	4	0
IS	4981	Special Topics in Information Systems		4	3	0
المجموع						