

Study Plans - English

Major : Software Engineering Science / Bachelor **Plan Semester** : 20171
College : Al Zahra College For Women **Department** : Information Techonlogy
Plan Hrs : 120 **Plan Type** : Major
Min Semester : 6 **Semester(s)** Training : Not Found **Edition** : 2 **Study Type**: Regular Stud
Max Semester : 14 **Semester(s)** Training Hrs : **Thesis Type** : Nothing

Category : College Requirements

Hrs : (12) Hrs

Group : Compulsory

Hrs : (9) Hrs

course	Course Name	Hrs	Prerequisite Courses	Prerequisit Hrs
11101	(Arabic Language (1	3		
11103	The History of Oman	3		
11108	Entrepreneurship	3		60

Group : Elective

Hrs : (3) Hrs

course	Course Name	Hrs	Prerequisite Courses	Prerequisit Hrs
11102	(Arabic Language (2	3	((Pre) 11101)	
11105	Contemporary Issues	3		
11106	Arab Islamic Civilization	3		
11107	Man and Environment	3		

Category : Major Requirements

Hrs : (48) Hrs

Group : Compulsory

Hrs : (36) Hrs

course	Course Name	Hrs	Prerequisite Courses	Prerequisit Hrs
32110	Human_ Computer Interaction	3	((Pre) 32102)	
32314	Field Training	3		90
36201	Software Engineering	3	((Pre) 32104)	
36211	Software Construction and Documentation	3	((Pre) 36201)	
36321	Software Project Management	3	((Pre) 32106)	
36322	Requirements Engineering	3	((Pre) 36201)	
36323	Software Testing and Quality Assurance	3	((Pre) 36201)	
36401	Ethics and Cultural Aspects of Entrepreneurship	3	((Pre) 36201)	
36402	Software Quality	3	((Pre) 36322)	
36403	Software Design and Architecture	3	((Pre) 36211)	
36404	Web Engineering	3	((Pre) 36210)	
36405	Graduation Project	3		90

Study Plans - English

Category Major Requirements

Hrs : (48) Hrs

Group : Elective

Hrs : (12) Hrs

course	Course Name	Hrs	Prerequisite Courses	Prerequisit Hrs
32208	Multimedia Systems	3	((Pre) 32102)	
32304	Information Retrieval Systems	3	((Pre) 32112)	
32306	Data Mining	3	((Pre) 32112)	
32310	Computer and Network Security	3	((Pre) 32210)	
32321	Linear Algebra	3	((Pre) 32121)	
32322	Numerical Analysis	3	((Pre) 32321)	
32401	Mobile Applications Development	3	((Pre) 32112)	
32408	Cloud Computing	3	((Pre) 32312)	
36324	Selected Topics in Software Engineering	3		30
36325	Software Integration	3	((Pre) 36321)	
36333	Software Maintenance	3	((Pre) 36201)	
36406	Secure Software Development	3	((Pre) 32210)	

Category : Department Requirements

Hrs : (24) Hrs

Group : Compulsory

Hrs : (24) Hrs

course	Course Name	Hrs	Prerequisite Courses	Prerequisit Hrs
25102	Principles of management	3		
32102	Principle of Information Technology	3		
32103	Introduction to Programming	3		
32104	Object Oriented Programming	3	((Pre) 32103)	
32121	(Mathematics (1	3		
32122	Discrete Mathematics	3	(Pre)32121	
32203	Data Structures and Algorithms	3	((Pre) 32104)	
32215	Technical Writing	3		

Category : Supporting Requirements

Hrs : (33) Hrs

Group : Compulsory

Hrs : (33) Hrs

course	Course Name	Hrs	Prerequisite Courses	Prerequisit Hrs
32106	Internet Technology	3	((Pre) 32102)	
32108	Logic Design	3	((Pre) 32102)	
32112	Database Management System	3	((Pre) 32103)	
32201	Visual Programming	3	((Pre) 32103)	
32204	E-Commerce and Data Internet Progr	3	((Pre) 32106)	
32209	Computer Architecture	3	((Pre) 32108)	



Study Plans - English

Category Supporting Requirements Hrs : (33) Hrs

Group Compulsory Hrs : (33) Hrs

course	Course Name	Hrs	Prerequisite Courses	Prerequisit Hrs
32210	Computer Network and Data Transmission	3	((Pre) 32209)	
32213	Database Applications	3	((Pre)& 32112 (Pre) 32104)	
32221	Introduction to Statistics	3	((Pre) 32121)	
32312	Operating Systems	3	((Pre)& 32209 (Pre) 32203)	
36210	System Analysis and Design	3	((Pre) 36201)	

Category : Free Courses Hrs : (3) Hrs

Group : Free Hrs Hrs : (3) Hrs

course	Course Name	Hrs	Prerequisite Courses	Prerequisit Hrs