

Study Plans - English

Major : Computer Science / Bachelor
 College : Al Zahra College For Women
 Plan Hrs : 120
 Min Semester : 6 Semester(s) Training : Not Found Edition : 5 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 : (72) Hrs

Group : Compulsory

Hrs : (60) 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)	
32213	Database Applications	3	((Pre)& 32112 (Pre) 32104)	
32214	Algorithms Analysis and Design	3	((Pre) 32203)	
32221	Introduction to Statistics	3	((Pre) 32121)	
32301	Computation Theory	3	((Pre) 32122)	
32312	Operating Systems	3	((Pre)& 32209 (Pre) 32203)	
32314	Field Training	3		90
32316	Computer Graphics	3	((Pre) 32203)	
32322	Numerical Analysis	3	((Pre) 32121)	

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Category Major Requirements

Hrs : (72) Hrs

Group Compulsory

Hrs : (60) Hrs

course	Course Name	Hrs	Prerequisite Courses	Prerequisit Hrs
32401	Mobile Applications Development	3	((Pre) 32112)	
32403	Artificial Intelligence	3	((Pre) 32203)	
32410	Computer Network Management	3	((Pre) 32210)	
32421	Graduation Project	3		90
32424	Wireless and Mobile Network	3	((Pre) 32310)	
36210	System Analysis and Design	3	((Pre) 36201)	

Group : Elective

Hrs : (12) Hrs

course	Course Name	Hrs	Prerequisite Courses	Prerequisit Hrs
32110	Human_ Computer Interaction	3	((Pre) 32102)	
32208	Multimedia Systems	3	((Pre) 32102)	
32212	User Interface Design and Prog	3	((Pre) 32201)	
32216	Selected Topics in Computer Science	3		30
32222	(Mathematic(2	3	((Pre) 32121)	
32302	Programming Language Design	3	((Pre)& 32301 (Pre) 32104)	
32304	Information Retrieval Systems	3	((Pre) 32112)	
32306	Data Mining	3	((Pre) 32112)	
32311	System Programming	3	((Pre) 32209)	
32321	Linear Algebra	3	((Pre) 32121)	
32324	Operations Research	3	((Pre) 32321)	
32404	Image Processing	3	((Pre) 32403)	
32406	Expert Systemes	3	((Pre) 32403)	
32407	Real Time Embedded System	3	((Pre)& 32406 (Pre) 32312)	
32408	Cloud Computing	3	((Pre) 32312)	
32412	Parallel and Distributed Computation	3	((Pre) 32312)	
32414	Natural Language Processing	3	((Pre) 32403)	
32415	Compiler Design	3	((Pre) 32302)	

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)	



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Category Department Requirements Hrs : (24) Hrs

Group Compulsory Hrs : (24) Hrs

course	Course Name	Hrs	Prerequisite Courses	Prerequisit Hrs
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 : (9) Hrs

Group : Compulsory Hrs : (9) Hrs

course	Course Name	Hrs	Prerequisite Courses	Prerequisit Hrs
32210	Computer Network and Data Transmission	3	((Pre) 32209)	
32310	Computer and Network Security	3	((Pre) 32210)	
36201	Software Engineering	3	((Pre) 32104)	

Category : Free Courses Hrs : (3) Hrs

Group : Free Hrs Hrs : (3) Hrs

course	Course Name	Hrs	Prerequisite Courses	Prerequisit Hrs