

Study Plans - English

Major : Computer Science / Bachelor Plan Semester : 20201
 Faculty : Oman College of Management & Technology Section : Computer Sciences
 Plan Hrs : 123 Plan Type : Major
 Min Semester : 4 Semester(s) Training : Not Found Edition : 5 Study Type: Morning
 Max Semester : 14 Semester(s) Training Hrs : Thesis Type : Nothing

Category : Faculty Requirement Hrs : (15) Hrs

Group : Compulsory Hrs : (12) Hrs

course	Course Name	Hrs	Prerequisite Courses	Prerequisit Hrs
102106	Entrepreneurship:Creativity and Innovation	3		
103202	Scientific Research Methods	3		
701101	English Language I	3		
701105	Arabic Language	3		

Group : Elective Hrs : (3) Hrs

course	Course Name	Hrs	Prerequisite Courses	Prerequisit Hrs
701107	History of Oman	3		
701108	Arabic Islamic Civilization	3		
701109	Islamic Culture	3		
701110	Enviroment & Society	3		
701112	Omani Society	3		
701113	Media Culture	3		
701114	Islamic Economics	3		
701117	Introduction to Psychology	3		
701118	Introduction to Library Science	3		
701120	Physical Education	3		
701122	Human Rights Issues	3		
701123	Technical Writing	3		

Category : Departement Requirement Hrs : (24) Hrs

Group : Compulsory Hrs : (24) Hrs

course	Course Name	Hrs	Prerequisite Courses	Prerequisit Hrs
502101	Calculus I	3		
502103	Discrete Mathematics	3		
502105	Programming in a Selected Language	3		
502202	Data Structures	3	((Pre) 502105)	
502301	Object Oriented Programming	3	((Pre) 502105)	

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Category Departement Requirement

Hrs : (24) Hrs

Group Compulsory

Hrs : (24) Hrs

course	Course Name	Hrs	Prerequisite Courses	Prerequisit Hrs
502302	Database Management Systems	3	((Pre) 502301)	
503401	Operating Systems	3	((Pre) 502105)	
503407	Multimedia Systems	3		

Category : Supporting Requirement

Hrs : (78) Hrs

Group : Compulsory

Hrs : (72) Hrs

course	Course Name	Hrs	Prerequisite Courses	Prerequisit Hrs
502102	Calculus II	3	((Pre) 502101)	
502104	Probability	3		
502203	Algorithms Analysis & Design	3	((Pre) 502202)	
503200	Programming in Java Language	3	((Pre) 502105)	
503201	Assembly Language Programming	3		
503202	Computation Theory	3	((Pre) 502103)	
503203	Applications Software Packages	3		
503205	System Programming	3	((Pre) 502105)	
503207	Information Technology	3		
503209	File Structures	3	((Pre) 502202)	
503210	Digital Logic Design	3		
503301	System Analysis and Design	3	((Pre) 502302)	
503302	Building Systems Using 4GL	3	((Pre) 502302)	
503303	Prolog Language Programming	3	((Pre)& 502105 (Pre) 502103)	
503304	Artificial Intelligence	3	((Pre) 503303)	
503305	Computer Graphics	3	((Pre) 502202)	
503402	Compilers Design	3	((Pre) 503202)	
503403	Computer Architecture	3	((Pre) 503210)	
503404	Data Communications & Networks	3	((Pre) 503207)	
503405	Software Engineering	3	((Pre) 502301)	
503409	Graduation Project	3		
503416	Internet Programming	3		
503417	Data Security	3	((Pre) 502101)	
503418	Object-Oriented Analysis and Design	3	((Pre) 502301)	

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Category Supporting Requirement

Hrs : (78) Hrs

Group : Elective

Hrs : (6) Hrs

course	Course Name	Hrs	Prerequisite Courses	Prerequisit Hrs
502201	Microprocessors and Microcomputers	3	((Pre) 503210)	
503204	Operation Research	3	(Pre)502202	
503206	Human Computer Interaction	3		
503208	Simulation Techniques	3	((Pre) 502105)	
503307	Functional Programming	3	((Pre) 502202)	
503308	Programming Languages Techniques and Meth	3	((Pre) 502202)	
503406	Information Retriever Systems	3	((Pre) 502202)	
503408	Expert Systems	3	((Pre) 503304)	
503410	Parall Processing & Programming	3	((Pre) 503205)	
503415	Natural Language Processing	3	((Pre) 502105)	
503419	Advanced Special Topics in Computer Science	3		

Category : Free Courses

Hrs : (6) Hrs

Group : Free Hrs

Hrs : (6) Hrs

course	Course Name	Hrs	Prerequisite Courses	Prerequisit Hrs