

Computer Science Study Plan v4

Diploma

Major	Computer Science / Diploma			Plan Semester	20142		
College	Oman College of Management & Technology			Department	Computer Science & MIS		
Plan Hrs.	66			Plan Type	Major		
Min Semester	2 Semesters	Training	Found	Edition	4	Study Type	Morning
Max Semester	6 Semesters	Training	120 Hrs.	Thesis Type	Nothing		

Category Group	College Requirement Compulsory	Hrs. 18 Hrs. 15
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Course Code	Course Title	Hrs.	Prerequisite Courses	Hrs.
102106	Entrepreneurship: Creativity and Innovation	3		
701101	English Language I	3		
701102	English Language II	3	701101	
701103	English Language III	3	701102	
701105	Arabic Language	3		

Group	Elective	Hrs. 3
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Course Code	Course Title	Hrs	Prerequisite Courses	Hrs.
701107	History of Oman	3		
701108	Arabic Islamic Civilization	3		
701109	Islamic Culture	3		
701110	Environment & 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		

Category Group	Department Requirement Compulsory	Hrs. 18 Hrs. 18
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Course Code	Course Title	Hrs	Prerequisite Courses	Hrs.
103202	Scientific Research Methods	3		
502101	Calculus I	3		
502103	Discrete Mathematics	3		
502105	Programming in a Selected Language	3		
502301	Object Oriented Programming	3	502105	3
502302	Database Management Systems	3	502301	3

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Category Supporting Requirement Hrs. 30
Group Compulsory Hrs. 24

Course Code	Course Title	Hrs.	Prerequisite Courses	Hrs.
502201	Microprocessors and Microcomputers	3	503210	3
502202	Data Structures	3	502105	3
503201	Assembly Language Programming	3		
503203	Applications Software Packages	3		
503210	Digital Logic Design	3		
503302	Building Systems Using 4GL	3	502302	3
503401	Operating Systems	3	502105	3
503416	Internet Programming	3		

Group Elective Hrs. 6

Course Code	Course Title	Hrs	Prerequisite Courses	Hrs.
502104	Probability	3		
502203	Algorithms Analysis & Design	3	502202	3
503200	Programming in Java Language	3	502105	3
503202	Computation Theory	3	502103	3
503205	System Programming	3	502105	3
503206	Human Computer Interaction	3		
503207	Information Technology	3		
503208	Simulation Techniques	3	502105	3
503209	File Structures	3	502202	3

Category On the Job Training (OJT) Hrs. 120

Telephone	Place of Training	T. Hrs.	Remarks
		120	