

Report of study plans

Academic year: 2014 Semester: Second
 College: Faculty of Computing Studies Section: Information Technology
 Grade: Bachelors Specialization: BSc Information Technology & Computing - Computing
 The number of: 134

Type of require: University Requirements/ Mandatory Hours: 21

Course:	Course Description	No. of Par	Credit hou	Equivalents	Prerequisite	Requirement	Relation
AR111	Arabic Communication Skills (I)	1	3				
AR112	Arabic Communication Skills (II)	1	3		AR111	Previous	-
BS100	Entrepreneurship – Creativity & Innovation	1	3		EL111	Previous	-
TU170	Computing Essentials	1	3		EF003	Previous	And
					MA100	Previous	And
					IT100	Previous	And
EL111	English Communication Skills (I)	1	3		EF003	Previous	-
EL112	English Communication Skills (II)	1	3		EL111	Previous	-
GR101	Self-Learning Skills	1	3				

Type of require: Mandatory Specialization Requirements Hours: 98

Course:	Course Description	No. of Par	Credit hou	Equivalents	Prerequisite	Requirement	Relation
M105	Introduction to Computer Programming	1	3		EL111	Previous	-
M130	Introduction to probability & statistics	1	3		M129	Previous	-
M131	Discrete Mathematics	1	3		EL111	Previous	-
M132	Linear Algebra	1	3				
M150A	Data , Computing and Information (I)	1	4	M150	EL111	Concurrent	-
				TM111			
M150B	Data , Computing and Information (II)	1	4	M150	M150A	Previous	-
				TM111			
M180	Data Structures and algorithms	1	3		M131	Previous	And
					M105	Previous	And
T103	Computer Architecture , Logic and Informatio	1	3		EL111	Previous	-
T175A	Networked Living : Exploring Information &	1	4	T175	EL111	Previous	And
				TM112	M150A	Previous	And
					M150	Previous	And
T175B	Networked Living : Exploring Information &	1	4	T175	T175A	Previous	And
				TM112	M150B	Previous	And
CS240	Introduction to computer graphics	1	4	M263	M132	Previous	And
				TM240	M129	Previous	And

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Type of require: Mandatory Specialization Requirements Hours: 98

Course:	Course Description	No. of Par	Credit hou	Equivalents	Prerequisite	Requirement	Relation
M253	Team Work in Distributed Environment	1	3	M251	M257	Previous	And
					M150B	Previous	And
M256	Software Development with Java	1	8	M269	M257	Previous	-
M257	Putting Java to Work	1	5	M251	M253	Previous	And
					M105	Previous	And
M298	Operating systems	1	4	M263	T103	Previous	And
				TM298	M105	Previous	And
M299	Mobile Computing	1	8	M255	M257	Previous	-
				T227			
M359	Relational Database Theory and Practice	1	8	TM351	M180	Previous	And
					M150B	Previous	And
M362	Developing Concurrent Distributed Systems	1	8	TM354	M257	Previous	-
M366	Natural and Artificial Intelligence	1	8	TM366	M130	Previous	And
					M257	Previous	And
					M180	Previous	And
T471	Telematics - Project	2	8	T471A	M366	Previous	And
				T471B	M362	Previous	Or
				TM471			

Type of require: Elective Specialization Requirements Hours: 9

Course:	Course Description	No. of Par	Credit hou	Equivalents	Prerequisite	Requirement	Relation
BE322	Entrepreneurship and Small Business Manage	1	3	BUS115			
M106	Introduction to MATLAB programming	1	3				
M107	Introduction to C# programming	1	3	M109			
M133	Numerical Analysis	1	3	MT101			
M360	Ethical and Professional Issues in ITC	1	1				
MS101	Physics for Computer Students	1	3	MS102			
T490	Selected Topics in Computer Science	1	3	MT390			
T200	Data communications	1	3	TM290			
T390	Computer networks and network security	1	3	MT395			

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Type of requir: Elective Specialization Requirements Hours: 9

Course:	Course Description	No. of Par	Credit hou	Equivalents	Prerequisite	Requirement	Relation
GR111	Arab Islamic Civilization	1	3				
GR112	Issues and Problems of Development in the Ar	1	3				
GR115	Current International Issues and Problems	1	3				
GR131	History and Civilization of Oman	1	3				
T155	Linux	1	3				

Type of requir: Faculty Requirements/ Mandatory Hours: 6

Course:	Course Description	No. of Par	Credit hou	Equivalents	Prerequisite	Requirement	Relation
M129	Applied calculus	1	3				
M275	Web development using PHP and MYSQL	1	3		M105	Previous	-
ITC309	IT Industrial Training	1	0		M257	Previous	-

Type of requir: Foundation Program Requirements Hours: 0

Course:	Course Description	No. of Par	Credit hou	Equivalents	Prerequisite	Requirement	Relation
EF001	English Foundation (I)	1	0				
EF002	English Foundation (II)	1	0		EF001	Previous	-
EF003	English Foundation (III)	1	0		EF002	Previous	-
IT100	Foundation Information Technology	1	0		EF001	Previous	-
MA100	Foundation Mathematics	1	0				