Report of study plans

Academic year	**2019**	**Semester:** First
College:	**Faculty of Computing Studies**	**Section:** Information Technology
Grade:	**Bachelors**	**Specialization:** BSc Information Technology & Computing / Computer Science
The number of	**134**	

Type of requir   University Requirements/ Mandatory   **Hours:** 21

Course:	Course Description	No. of Par	Credit hou	Equivalents	Prerequisit	Requirement T	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	-
EL111	English Communication Skills (I)	1	3		EF003	Previous	-
EL112	English Communication Skills (II)	1	3		EL111	Previous	-
GR101	Self-Learning Skills	1	3				
TU170	Computing Essentials	1	3		EF003	Previous	-

Type of requir   University Requirements/ Elective   **Hours:** 3

Course:	Course Description	No. of Par	Credit hou	Equivalents	Prerequisit	Requirement T	Relation
BE322/4	Entrepreneurship and Small Business Manage	1	4	BUS115	B120	Previous	-
CH101	Chinese for Beginners (I)	1	3				
CH102	Chinese for Beginners (II)	1	3		CH101	Previous	-
EL118	Reading	1	4		EL111	Previous	-
FR101	French for Beginners (I)	1	3				
FR102	French for Beginners (II)	1	3		FR101	Previous	-
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				
GR116	Youth Empowerment	1	3				
GR117	Empowerment of Women	1	3				
GR118	Life Skills and Coexistence	1	3				
GR121	Environment and Health	1	3				
GR131	History and Civilization of Oman	1	3				
SL101	Spanish for Beginners (I)	1	3				
SL102	Spanish for Beginners (II)	1	3		SL101	Previous	-

Type of requir   Mandatory Specialization Requirements   **Hours:** 96

Course:	Course Description	No. of Par	Credit hou	Equivalents	Prerequisit	Requirement T	Relation
MT131	Discrete Mathematics	1	4		EL111	Previous	-
MT132	Linear Algebra	1	4		EL111	Previous	-

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Type of requir **Mandatory Specialization Requirements** **Hours:** 96

Course:	Course Description	No. of Par	Credit hou	Equivalents	Prerequisit	Requirement T	Relation
TM103	Computer Organization and Architecture	1	4		EL111	Previous	-
TM105	Introduction to Programming	1	4		EL111	Previous	-
TM111	ntroduction to Computing and Information T	1	8	M150	EL111	Previous	-
				M150A			
				M150B			
TM112	ntroduction to Computing and Information T	1	8	T175	TM111	Previous	-
				T175A			
				T175B			
M251	Object-Oriented Programming using Java	1	8	M253	TM105	Previous	-
				M257			
M269	Algorithms, Data Structures and Computabili	1	8	M256	TM105	Previous	And
					MT131	Previous	And
T227	Change, Strategy and Project at Work	1	8	M299	TM112	Previous	-
TM240	Computer Graphics and Multimedia	1	4	CS240	TM105	Previous	And
					MT132	Previous	And
TM298	Operating Systems	1	4	M298	TM105	Previous	And
					TM103	Previous	And
TM351	Data Management and Analysis	1	8	M359	M269	Previous	And
					M251	Previous	And
TM354	Software Engineering	1	8	M362	M251	Previous	-
TM366	Artificial Intelligence	1	8	M366	M269	Previous	-
TM471	Graduation Project	2	8	T471A	TM351	Concurrent	Or
				T471B	TM366	Previous	Or
					TM354	Previous	Or

Type of requir **Faculty Requirements/ Mandatory** **Hours:** 8

Course:	Course Description	No. of Par	Credit hou	Equivalents	Prerequisit	Requirement T	Relation
MT129	Calculus and Probability	1	4		EF003	Previous	-
TM260	Security, Ethics and Privacy in IT and Compu	1	4	M275	TM111	Previous	-
				M360			

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The number of	**134**		

Type of requir   **Faculty Requirements/ Mandatory**   **Hours:**   **8**

Course:	Course Description	No. of Par	Credit hou	Equivalents	Prerequisit	Requirement T	Relation
ITC309	IT Industrial Training	1	0		M251	Previous	-

Type of requir   **Foundation Program Requirements**   **Hours:**   **0**

Course:	Course Description	No. of Par	Credit hou	Equivalents	Prerequisit	Requirement T	Relation
EF001	EnglishFoundation (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				
MA101P	Pure Math Foundation	1	0		MA100	Previous And Pass	-

Type of requir   **Faculty Requirements/ Electives**   **Hours:**   **6**

Course:	Course Description	No. of Par	Credit hou	Equivalents	Prerequisit	Requirement T	Relation
M109	.NET Programming	1	3	M107	EL111	Previous	-
MS102	Physics	1	3		EL111	Previous	-
MT101	General Mathematics	1	3				
TM295	System Modelling	1	3		MT132	Previous	-
MT372	Parallel Computing	1	3		M269	Previous	And
					M251	Previous	And