

Arab Open University AOU - Oman
Faculty of Computer Studies (FCS)

	Semester: 1					Semester: 2					
	#	Course Code	Course Title	Pre-Requisites	Cr. Hrs.	#	Course Code	Course Title	Pre-Requisites	Cr. Hrs.	
Year 1	1	AR113	Arabic Communication Skills I	EF003 & IT100 & MA10P	3	1	EL112	English Communication Skills II	EL111	3	
	2	EL111	English Communication Skills I	EF003 & IT100 & MA10P	3	2	GR111 / GR131	University Elective	EF003 & IT100 & MA10P	3	
	3	GT101	Learning and Information Technology	EF003 & IT100 & MA10P	3	3	MST129	Calculus and Probability	EF003 & IT100 & MA10P	4	
	4	GR118	Life Skills and Coexistence	EF003 & IT100 & MA10P	3	4	M110	Python Programming	EL111	8	
Total Hours in Semester					12	Total Hours in Semester					18

	Semester: 3					Semester: 4					
	#	Course Code	Course Title	Pre-Requisites	Cr. Hrs.	#	Course Code	Course Title	Pre-Requisites	Cr. Hrs.	
Year 2	1	MT131	Discrete Mathematics	EL111	4	1	M251	Object-Oriented Java Programming	TM105	8	
	2	TM112	Introduction to Computing and Information Technology 2	M110	8	2	TM103	Computer Organization and Architecture	EL111	4	
	3	TM105	Introduction to Programming	EL111	4	3	MT132	Linear Algebra	EL111	4	
Total Hours in Semester					16	Total Hours in Semester					16

	Semester: 5					Semester: 6					
	#	Course Code	Course Title	Pre-Requisites	Cr. Hrs.	#	Course Code	Course Title	Pre-Requisites	Cr. Hrs.	
Year 3	1	M269	Algorithms, Data structures and Computability	M110 & MT131	8	1	TM351	Data Management and Analysis	M2569 or M251	8	
	2	TT284	Web Technologies	TM112	8	2	TM354	Software engineering	M251	8	
	3	TM240	Computer Graphics and Multimedia	MT132 & TM105	4	3	TM298	Operating Systems	TM105 & TM103	4	
						4	ITC309	Industrial Training	completeing > 90 credit hours	0	
Total Hours in Semester					20	Total Hours in Semester					20

	Semester: 7					Semester: 8					
	#	Course Code	Course Title	Pre-Requisites	Cr. Hrs.	#	Course Code	Course Title	Pre-Requisites	Cr. Hrs.	
Year 4	1	TM358	Machine learning and artificial intelligence	M269	8	1	T471-II	Graduation Project (ITC) - II	TM355 / TM354 / TM351	4	
	2	T471-I	Graduation Project (ITC) - I	TM351 / TM354 / TM358	4	2	GB102E	English Communication Skills II	EL112	3	
	3	M109	.Net Programming	TM105 or M110	3	3	TM291	Database Management Systems	M110	3	
						3	TM260	Security, Ethics and Privacy in IT and Computing	M251	4	
Total Hours in Semester					15	Total Hours in Semester					14

Core Programme Courses
Faculty Elective Courses
Faculty Requirement Courses
University Requirement Courses
University Elective Courses

Total Credits: 131