

Year	Semester 1					Semester: 2					
	#	Course Code	Course Title	Pre-Requisites	Cr. Hrs.	#	Course Code	Course Title	Pre-Requisites	Cr. Hrs.	
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	GR131/GR111	University Elective	EF003 & IT100 & MA10P	3	
	3	GT101	Learning and Information Technology	EF003 & IT100 & MA10P	3	5	MST129	Applied Calculus	EF003 & IT100 & MA10P	4	
	4	GR118	Life Skills and Coexistence	EF003 & IT100 & MA10P	3	4	M110	Python Programming	EL111	8	
<b>Total Hours in Semester</b>					<b>12</b>	<b>Total Hours in Semester</b>					<b>18</b>

Year	Semester: 3					Semester: 4					
	#	Course Code	Course Title	Pre-Requisites	Cr. Hrs.	#	Course Code	Course Title	Pre-Requisites	Cr. Hrs.	
2	1	MT131	Discrete Mathematics	EL111	4	1	MT141	Introduction to Probability and Statistics	EL111	4	
	2	TM112	Introduction to Computing and Information Technology 2	M110	8	2	MT132	Linear Algebra	EL111	4	
	3	TM103	Computer Architecture and Organization	EL111	4	3	M269	Algorithm, Data structure and Computability	TM110	8	
<b>Total Hours in Semester</b>					<b>16</b>	<b>Total Hours in Semester</b>					<b>16</b>

Year	Semester: 5					Semester: 6					
	#	Course Code	Course Title	Pre-Requisites	Cr. Hrs.	#	Course Code	Course Title	Pre-Requisites	Cr. Hrs.	
3	1	TM270	Artificial intelligence	TM112 & MT141	8	1	TM271	Machine Learning and Deep learning	MT141 & TM270	8	
	2	TM275	Parallel and Distributed Systems	TM103	4	1	TM351	Data Management and Analysis	M269	8	
	3	TM276	Software Development Processes and Methodologies	TM112	4	2	MT101	General Mathematics	EL111	3	
	4	M109	.Net Programming	M110	3	4	ITC309	Industrial Training	completeing 90 credits	0	
<b>Total Hours in Semester</b>					<b>19</b>	<b>Total Hours in Semester</b>					<b>19</b>

Year	Semester: 7					Semester: 8					
	#	Course Code	Course Title	Pre-Requisites	Cr. Hrs.	#	Course Code	Course Title	Pre-Requisites	Cr. Hrs.	
4	1	TM340	Natural Language Processing	TM271	8	1	TM341	Computer Vision	TM271	8	
	2	TM471-I	Graduation Project - I	TM351 / TM340 / TM341	4	2	TM471-II	Graduation Project - II	TM471-I	4	
	3	GB102	English Communication Skills II	EL112	3	3	TM260	Security, Ethics and Privacy in IT and Computing	TM271	4	
<b>Total Hours in Semester</b>					<b>15</b>	<b>Total Hours in Semester</b>					<b>16</b>

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

Total Credits: 131