

First Year - First Semester				First Year - Second Semester			
Course Code	Course Name	CR	Pre-requisite	Course Code	Course Name	CR	Pre-requisite
GT101	Learning and Information Technology	3	-	MT141	Introduction to Probability and Statistics	4	EL111 & MT099
EL111	English Communication Skills I	3	EL099	LAW 107	Human Rights (Branch Requirement)	2	-
AR113	Arabic Communication Skills	3	-	MST129	Applied Calculus	4	EL099 & MT099
GRI31	General Branch Requirement	3	-	M110	Python Programming	8	EL111 & MT099
	Total	12			Total	18	
	O.A. Total	12			O.A. Total	30	
Second Year - First Semester				Second Year - Second Semester			
Course Code	Course Name	CR	Pre-requisite	Course Code	Course Name	CR	Pre-requisite
GB102	Principles of Entrepreneurship for Non-Specialists	3	-	MT131	Discrete Mathematics	4	EL111 & MT099
MT132	Linear Algebra	4	EL111 & MT099	M269	Algorithm, Data structure and Computability	8	M110
TM112	Introduction to Computing and Information Technology	8	M110	TM103	Computer Organization and Architecture	4	EL111 & MT099
EL112	English Communication Skills II	3	EL111 & MT099				
	Total	18			Total	16	
	O.A. Total	48			O.A. Total	64	
Third Year - First Semester				Third Year - Second Semester			
Course Code	Course Name	CR	Pre-requisite	Course Code	Course Name	CR	Pre-requisite
TM270	Artificial intelligence	8	TM112 & MT141	TM271	Machine Learning and Deep learning	8	MT141 & TM270
TM275	Parallel and Distributed Systems	4	TM103	TM351	Data Management and Analysis	8	M269
TM276	Software Development Processes and Methodologies	4	TM112	**	Faculty Requirements/ Elective 2	3	
**	Faculty Requirements/ Elective 1	3					
	Total	19			Total	19	
	O.A. Total	83			O.A. Total	102	
Fourth Year - First Semester				Fourth Year - Second Semester			
Course Code	Course Name	CR	Pre-requisite	Course Code	Course Name	CR	Pre-requisite
TM340	Natural Language Processing	8	TM271	TM341	Computer Vision	8	TM271
TM471-I	AI, Graduation Project-A	4	TM351 or TM340 or TM341	TM471-II	AI, Graduation Project-B	4	TM471-I
TM260	Ethics, Law and the Governance in IT	4	TM271				
INT300	Industrial Training	1	Completed >= 80				
	Total	17			Total	12	
	O.A. Total	119			O.A. Total	131	
Faculty Requirements / Elective Courses (Minimum of 6 CHs.)							
Course Code	Course Name	CR	Pre-requisite	Course Code	Course Name	CR	Pre-requisite
MS102	Physics	3	EL111 & MT099	TM280	Smart IOT Systems	3	TM112
M109	.NET Programming	3	EL111 & MT099	TM380	Autonomous Robotic Systems	3	TM271
MT101	General Mathematics	3	MT099	Other	Core requirement module from old/new other tracks in the same program		
General University Requirements/ Mandatory - 15 CR				Specialisation/ Core Requirements - 96			
Faculty Requirements / Mandatory - 8 CR				University Requirements/ Local Requirements - 5 CR			
Faculty Requirements / Elective - 6 CR				Mandatory University Courses /Mandatory - 1 CR			