

Four Years Study Plan - Plan of 2021

First Year - First Semester				First Year - Second Semester			
Course Code	Course Name	CR	Pre-requisite	Course Code	Course Name	CR	Pre-requisite
EL111	English Communication Skills (I)	3	EL099	EL112	English Communication Skills (II)	3	EL111
GT101	Learning and Information Technology	3	-	MST129	Applied Calculus	4	MT099 & EL111 *
AR113	Arabic Communication Skills (III)	3	-	MT131	Discrete Mathematics	4	EL111 & MT099
GR131	History and Civilization of the Kingdom of Bahrain	3	-	MT132	Linear Algebra	4	EL111 & MT099
	Total	12	N/A		Total	15	N/A
	O.A. Total	12			O.A. Total	27	
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	-	TM112	Introduction to Computing and Information Technology	8	M110
M110	Python Programming	8	EL111 & MT099	TM105	Introduction to Programming	4	EL111 & MT099
LAW107	Human Rights	2	-	TM103	Computer Organization and Architecture	4	EL111 & MT099
-	Faculty Elective	3	-	Mxxx/TMxxx	Faculty Elective	3	
	Total	16	N/A		Total	19	N/A
	O.A. Total	43			O.A. Total	62	
Third Year - First Semester				Third Year - Second Semester			
Course Code	Course Name	CR	Pre-requisite	Course Code	Course Name	CR	Pre-requisite
M251	Object Oriented Programming using Java	8	TM105	M269	Algorithms, Data Structures and Computability	8	M110 & MT131
TM255	Communication and Information Technologies	8	TM112	T215B	Communication and Information Technologies – Part B	8	TM255
-	-	-	-	TM260	Ethics, Law and the Governance in IT	4	TM255
	Total	16	N/A		Total	20	N/A
	O.A. Total	78			O.A. Total	98	
Fourth Year - First Semester				Fourth Year - Second Semester			
Course Code	Course Name	CR	Pre-requisite	Course Code	Course Name	CR	Pre-requisite
TM351	Data Management and Analysis	8	M269 or M251	TM355	Communications Technology	8	T215B
TM354	Software Engineering	8	M251	TM471-II	Graduation Project	4	TM471-I
TM471-I	Graduation Project	4	TM355 or TM354 or TM351	INT300	Internship	1	Completed Courses ≥ 100 and GPA ≥ 2.0
	Total	20	N/A		Total	13	N/A
	O.A. Total	118			O.A. Total	131	
Faculty Requirements / Elective Courses (6 CHs.)							
Course Code	Course Name	CR	Pre-requisite	Course Code	Course Name	CR	Pre-requisite
M109	NET Programming	3	EL111	MT101	General Mathematics	3	--
M277	Competitive Programming	3	M251 & M269 **	MT390	Image Processing	3	MT132 & M251
MS102	Physics	3	EL111	TM297	Compression Methods for Multimedia	3	TM112 & MT131

* MST129 can be registered in parallel with EL111.

** M269 can be registered in parallel with M277.