Information Technology and Computing (ITC) Programme - Four Years - (131 CR)
"The New Plan" Starting From Fall Semester 2019-2020

Course Code	First Year - First Semester Course Name	CR	Course Code	First Year - Second Semester Course Name	CR
TU170	Learning Online.	3	TM105	Introduction to Programming	4
EL111	English Communication Skills (1)	3	LAW 107	Human Rights (Branch Requirement)	2
GR101	Independent Study Skills.	3	MT129	Calculus and Probability	4
AR111	Arabic Communication Skills (1)	3	TM111	Introduction to Computing and Information Technology I	8
GR131	General Branch Requirement	3			
	Total	15		Total	18
	Cumilative Total	15		Cumilative Total	33

Course Code	Second Year - First Semester Course Name	CR	Course Code	Second Year - Second Semester Course Name	CR
AR112	Arabic Communication Skills II	3	MT131	Discrete Mathematics	4
MT132	Linear Algebra	4	M251	Object-Oriented Programming using Java	8
TM112	Introduction to Computing and Information Technology II	8	TM103	Computer Organization and Architecture	4
EL112	English Communication Skills II	3			
	Total	18		Total	16
	Cumilative Total	51		Cumilative Total	67

Course Code	Third Year - First Semester Course Name	CR	Course Code	Third Year - Second Semester Course Name	CR
T215A	Communications and information technologies-A	8	T215B	Communications and information technologies-B	8
M269	Algorithms, Data Structures and Computability	8	TM354	Software Engineering	8
	Total	16		Total	16
	Cumilative Total	83		Cumilative Total	99

Course Code	Fourth Year - First Semester Course Name	CR	Course Code	Fourth Year - Second Semester Course Name	CR
TM351	Data Management and Analysis	8	TM355	Communications Technology	8
TM471A	ITC, Graduation Project-A	4	TM471B	ITC, Graduation Project-B	4
TM260	Security, Ethics and Privacy in IT and Computing	4	**	Faculty Requirements/ Elective	3
ITC309	IT Industrial Training/ Elective	1			
	Total	17		Total	15
	Cumilative Total	116		Cumilative Total	131

Faculty Requirements / Elective Courses (Minimum of 3 CHs.)

Course Code	Course Name	CR	Course Code	Course Name	CR
MS102	Physics	3	MT372	Parallel Computing	3
M109	.NET Programming	3	TM290	Cryptography and Internet Security	3
TM297	Compression Methods for Multimedia	3	MT395	Applied Cyber Security	3
MT390	Image Processing	3	TM287	Web Applications Development	3
TM295	System Modelling	3	MT380	Service Oriented Architecture	4
TM291	Management Information Systems	3	Other	Core requirement module from old/new other tracks in the same program	3
TM391	E-commerce	3			