

<b>Data science 2021</b>				
<b>First Year</b>				
<b>Semester</b>	<b>Modules</b>	<b>Title</b>	<b>Credit Hours</b>	<b>Prerequisite</b>
<b>1<sup>st</sup> (13 CHs)</b>	EL111	English Communication Skills I	3	EL099
	GR118	Life Skills and Coexistence	3	-
	GT101	Computing Essentials	3	-
	MST129	Applied Calculus	4	EL099
<b>2<sup>nd</sup> (14 CHs)</b>	AR113	Arabic Communication Skills	3	-
	EL112	English Communication Skills II	3	EL111
	MT131	Discrete Mathematics	4	EL111
	MT132	Linear Algebra	4	EL111
<b>Second Year</b>				
<b>1<sup>st</sup> (14 CHs)</b>	GB102	Principles of Entrepreneurship for Non-Specialists	3	-
	M110	Python Programming	8	EL111
	A module from University Requirement/Elective		3	-
<b>2<sup>nd</sup> (20 CHs)</b>	TM112	Introduction to Computing and Information Technology	8	M110
	M140	Introducing to Statistics	8	EL111
	TM260	Ethics, Law and the Governance in IT	4	M110
<b>Third Year</b>				
<b>1<sup>st</sup> (16 CHs)</b>	M218	Relational Databases	4	M110, MT131
	M269	Algorithms, Data Structure and Computability	8	M110 and MT131
	MT248	Analysing Data	4	M140
<b>2<sup>nd</sup> (19 CHs)</b>	M238	Data Visualization	4	M110
	MST224	Mathematical Methods	8	MST129 & MT132
	MT249	Practical Modern Statistics	4	MT248
	Faculty Requirement / Elective		3	-
<b>Fourth Year</b>				
<b>1<sup>st</sup> (20 CHs)</b>	M348	Applied Statistics Modelling	8	MT248
	TM351	Data Management and Analysis	8	M269
	TM471A	Graduation Project – Part A	4	M348 or TM358 or TM351
<b>2<sup>nd</sup> (15 CHs)</b>	TM358	Machine Learning and Artificial	8	M269
	TM471B	Graduation Project	4	TM471A
	Faculty Requirement / Elective		3	