

No.	Category	Credit Hours
1	University Requirements / Mandatory	18
2	University Requirements / Electives	3
3	Faculty Requirements / Mandatory	8
4	Faculty Requirements/ Electives	6
5	Specialization/Track Requirements / Mandatory	96
<b>Total</b>		<b>131</b>

**1. University Requirements / Mandatory**

**(18 credit hours)**

Course Code	Course Title	Credit hours	Prerequisites	Equivalency
AR113	Arabic Communication Skills	3	--	
GB102	Principles of Entrepreneurship for Non-Specialists	3	--	
GR118	Life Skills and Coexistence	3	--	
GT101	Learning and Information Technology	3	--	
EL111	English Communication Skills I	3	EL099	
EL112	English Communication Skills II	3	EL111	
<b>Total</b>		<b>18 Cr</b>		

**2. University Requirements / Electives**

**(3 credit hours)**

Course Code	Course Title	Course Level	Credit hours	Prerequisites	Equivalency
GR111	Arabic Islamic Civilization	1	3	--	
GR112	Issues and Problems of Development in the Arab World	1	3	--	
GR115	Current International Issues and Problems	1	3	--	
GR116	Youth Empowerment	1	3	--	
GR117	Women Empowerment	1	3	--	
GR121	Environment and Health	1	3	--	
GR131	General Branch Requirement	1	3	--	
CH101	Chinese for Beginners (I)	1	3	--	
CH102	Chinese for Beginners (II)	1	3	CH101	
SL101	Spanish for Beginners (I)	1	3	--	
SL102	Spanish for Beginners (II)	1	3	SL101	
FR101	French for Beginners (I)	1	3	--	
FR102	French for Beginners (II)	1	3	FR101	
<b>Total</b>			<b>3 Cr</b>		

**3. Faculty Requirements / Mandatory**

**(8 credit hours)**

Course Code	Course Title	Course Level	Credit hours	Prerequisite	Equivalency
MST129	Applied Calculus	1	4	EL099	MT129
TM260*	Ethics, Law and the Governance in IT	2	4	TM255	
<b>Total</b>			<b>8 Cr</b>		

**4. Faculty Requirements / Elective**

**(6 credit hours)**

Course Code	Course Title	Course Level	Credit hours	Prerequisite	Equivalency
MS102	Physics	1	3	EL111	
M109	.NET Programming	1	3	EL111	
MT101	General Mathematics	1	3	-	
TM297	Compression Methods for Multimedia	2	3	TM112 & MT131	
M277	Competitive Programming	2	3	M251 & (M269)+	
MT390	Image Processing	3	3	MT132 & M251	
<b>Total</b>			<b>6 Cr</b>		

**5. Specialization Requirements / Mandatory**

**(96 credit hours)**

Course Code	Course Title	Course Level	Credit hours	Prerequisite	Equivalency
<b>TM103</b>	Computer Organization and Architecture	1	4	EL111	
<b>TM105</b>	Introduction to Programming	1	4	EL111	
<b>MT131</b>	Discrete Mathematics	1	4	EL111	
<b>MT132</b>	Linear Algebra	1	4	EL111	
<b>M110</b>	Python Programming	1	8	EL111	TM111
<b>TM112</b>	Introduction to Computing and Information Technology	1	8	M110	
<b>M251</b>	Object-Oriented Programming using Java	2	8	TM105	
<b>M269</b>	Algorithms, Data Structures and Computability	2	8	M110 & MT131	
<b>TM255</b>	Communication and Information Technologies	2	8	TM112	T215A
<b>T215B</b>	Communication and Information Technologies – Part B	2	8	TM255	
<b>TM351</b>	Data Management and Analysis	3	8	M269 or M251*	
<b>TM354</b>	Software Engineering	3	8	M251	
<b>TM355</b>	Communications Technology	3	8	T215B	
<b>TM471</b>	Graduation Project (ITC pathway)	3	8	TM355 or TM354 or TM351**	
<b>Total</b>			<b>96 Cr</b>		