BSc (HONS) Information Technology and Computing (ITC)
Validation 2021
Cyber Security (CyS)

1. Programme Structure

Students seeking a BSc Honours degree in Information Technology and Computing / CyS must complete at least 131 credit hours

No.	Category	Points	Credit Hours
1	University Requirements / Mandatory	60	18
2	University Requirements / Electives	10	3
3	Faculty Requirements / Mandatory	30	8
4	Faculty Requirements/ Electives	20	6
5	Specialization/Track Requirements / Mandatory	360	96
	Total	**480**	**131**

2. Programme Requirements (131 Credits)

1. University Requirements / Mandatory   (60 points/18 credit hours)

Course Code	Course Title	Credit hours	Prerequisites	Source
AR113	Arabic Communication Skills	3	--	AOU
GB102	Principles of Entrepreneurship for Non-Specialists	3	--	AOU
GR118	Life Skills and Coexistence	3	--	AOU
GT101	Learning and Information Technology	3	--	AOU
EL111	English Communication Skills I	3	EL099	AOU
EL112	English Communication Skills II	3	EL111	AOU
	Total	**18**		

2. University Requirements / Electives   (10 points/3 credit hours)

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

3. Faculty Requirements / Mandatory (30 points/8 credit hours)

Course Code	Course Title	Course Level	Credit hours	Prerequisite	Source
MST129	Applied Calculus	1	4	EL099	AOU
TM260*	Ethics, Law and the Governance in IT	2	4	TM256	AOU
Total			**8**		

4. Faculty Requirements / Elective (20 points/6 credit hours)

Course Code	Course Title	Course Level	Credit hours	Prerequisite	Equivalency
MS102	Physics	1	3	EL111	AOU
M109	.NET Programming	1	3	EL111	AOU
MT101	General Mathematics	1	3	-	AOU
TM290	Cryptography and Internet Security	2	3	TM112	AOU
MT395	Applied Cyber Security	3	3	TM260	AOU
Total			**6**		

5. Specialization Requirements / Mandatory (360 points/96 credit hours)

Level	Course Code	Course Title	Credit hours	Prerequisite	Source
1	MT131	Discrete Mathematics	4	EL111	AOU
	MT132	Linear Algebra	4	EL111	AOU
	M110	Python Programming	8	EL111	AOU
	TM112	Introduction to Computing and Information Technology	8	M110	OU
	TM129	Technologies in Practice	8	M110	OU
2	T216A	Cisco Networking (CCNA)-A	8	TM112	OU
	T216B	Cisco Networking (CCNA)-B	8	T216A	OU
	TT284	Web Technologies	8	TM112	OU
	TM256	Cyber Security	8	TM129	OU
3	T318	Applied Network Security	8	T216B	AOU
	TM311	Information security	8	T216A	OU
	TM359	System penetration testing	8	TM256	OU
	TM471	Graduation Project (CyS pathway)	8	TM311 or TM359 or T318**	AOU
Total			**96**		