

BSC (HONS) IN INFORMATION TECHNOLOGY AND COMPUTING –ITC: NEW STUDY PLAN

I. DEGREE REQUIREMENTS

The BSc Programme in Information Technology and Computing (BSc (HONS) in ITC) has been developed and will be delivered by AOU. It has been validated through a process of external peer review by UKOU as being of an appropriate standard and quality to lead to the Open University validated award of BSc (Hons) ITC (OUVA).

The programme comprises 131-135 credit hours, as per local accreditation requirements, which can be completed over a four-year period of full-time study. The breakdown of credit hours and courses needed to complete the programme is as follows:

No.	Categories	Credit Hours
1	Mandatory University Requirements	18
2	Faculty Requirements & University Electives	18
3	Core Programme (Specialization) Requirements	96
Total		131-135

(1) Mandatory University Requirements (18 credit hours)

The following six courses comprise the Mandatory General University Requirements.

Course Number	Course Title	Credit Hours	Prerequisites
AR111	Arabic Communication Skills (I)	3	—
AR112	Arabic Communication Skills (II)	3	AR111
EL111	English Communication Skills (I)	3	—
EL112	English Communication Skills (II)	3	EL111
GR101	Independent Study Skills	3	—
TU170	Learning On-Line	3	—
Total		18	

(2) Faculty Requirements & University Electives (18 credit hours)

Students should take 18 credit hours from the following list, as per local accreditation requirements, including the two courses M131 and T490 which are the faculty requirements (6 credit hours).

Course Number	Course Title	Credit Hours	Pre-requisite	Remark
M131	Discrete Mathematics	3		obligatory faculty requirements for all tracks
T490	Selected Topics in Computer Science	3		
GR111	Arab Islamic Civilization	3		
M211	Fundamentals of Algorithms and Data Structures	3	M105 or M150	MOHE requirement
M350	Operating System Concepts	3	M105 or M150	MOHE requirement
Choose 1 from the 2 electives below				
M105	Introduction to Programming	3		Recommended for tracks: <ul style="list-style-type: none"> • Computing • Computing with Business
T103	Computer Architecture	3		Recommended for tracks: <ul style="list-style-type: none"> • Information and Communications Technologies • Information Technology & Computing (Updated)

(3) Core Programme (Specialization) Courses (96 credit hours)

The ITC programme is offered in four tracks, with 96 credit hours for each track. The core specialization courses for the four tracks are presented below. The symbols X means obligatory for the track.

1. **ITC Track: Information Technology and Computing**
2. **ICT Track: Information and Communication Technologies**
3. **C Track : Computing**
4. **CwB Track : Computing with Business**

Course Number	Course Title	Credit Hours	Pre-requisites	Tracks			
				ITC	ICT	C	CwB
B120	An Introduction to Business Studies	8					X
B202	Understanding Business Functions	16	B120				X
B300	Business Behavior in a Changing World	16	B120				X
M150A	Data, Computing and Information (I)	4	EL111	X	X	X	X
M150B	Data, Computing and Information (II)	4	M150A	X	X	X	X
M253	Team Working in Distributed Environment	3	M150B	X		X	X
M255	Object Oriented Programming with Java	8	M150B	X		X	X
M256	Software Development with Java	8	M257	X		X	X
M257	Putting Java to Work	5	M255	X		X	X
M263	Building Blocks of Software	8	M150B			X	
M359	Relational Data Base: Theory and Practice	8	M255 or MT262B	X	X	X	X
M362	Developing Concurrent Distributed Systems	8	M257			X	
M363	Software Engineering with Objects	8	M256	X		X	X
M366	Natural and Artificial Intelligence	8	M255			X	
MST121A	Using Mathematics (I)	4			X	X	
MST121B	Using Mathematics (II)	4	MST121A		X	X	
MT262A	Putting Computer System to Work (I)	4	M150B	X	X		
MT262B	Putting Computer System to Work (II)	4	MT262A	X	X		
T175A	Networked Living: Exploring Information and Communication Technologies (I)	4	TU170	X	X	X	
T175B	Networked Living: Exploring Information and Communication Technologies (II)	4	T175A	X	X	X	
T209A	Telematics (I)	8	T175B	X	X		
T209B	Telematics (II)	8	T209A	X	X		
T224	Computers and Processors	8	M150B		X		
T320	Business Technologies	8	T209B		X		
T324	Keeping Ahead in ICT	8	T209B	X	X		
T325	Technologies for Digital Media	8	T209B		X		
T471	Telematics Project	8	M359	X	X	X	X
	Total			96	96	96	96

Note: Courses that are obligatory for a certain track may be taken as electives in other tracks.

II. CORRESPONDENCES BETWEEN COURSES IN THE OLD STUDY PLAN AND COURSES IN THE NEW STUDY PLAN.

New Study Plan New Courses			Equivalent Courses in the Old Study Plan		
Course Number	Course Title	Credit Hours	Course Number	Course Title	Credit Hours
T103	Computer Architecture, Logic and Information Processing	3	CS103	Computer Architecture, Logic and Information Processing	3
M105	Introduction to Computer Programming	3	CS105	Introduction to Computer Programming	3
MU120A	Open Mathematics (I)	4	MU120	Open Mathematics	8
MU120B	Open Mathematics (II)	4			
MST121A	Using Mathematics (I)	4	MST121	Using Mathematics	8
MST121B	Using Mathematics (II)	4			
M131	Discrete Mathematics	3	CS131	Discrete Mathematics	3
M150A	Data, Computing and Information (I)	4	M150	Data, Computing and Information	8
M150B	Data, Computing and Information (II)	4			
T175A	Networked Living: Exploring Information and Communication Technologies (I)	4	T175	Networked Living: Exploring Information and Communication Technologies is equivalent to T171	8
T175B	Networked Living: Exploring Information and Communication Technologies (II)	4			
T209A	Telematics (I)	8	T209	Telematics	16
T209B	Telematics (II)	8			
M255	Object Oriented Programming with Java	8	M206	Computing An Object Oriented Approach	16
M256	Software Development with Java	8			
MT262A	Putting Computer System to Work (I)	4	MT262	Putting Computer System to Work	8
MT262B	Putting Computer System to Work (II)	4			
M362	Developing Concurrent Distributed Systems	8	M301	Software System and their Development	16
M363	Software Engineering with Objects	8			
T324	Keeping Ahead in ICT	8	T305	Digital Communications	16
T325	Technologies for Digital Media	8			
T490	Selected Topics in Computer Science	3	CS490	Selected Topics in Computer Science	3