

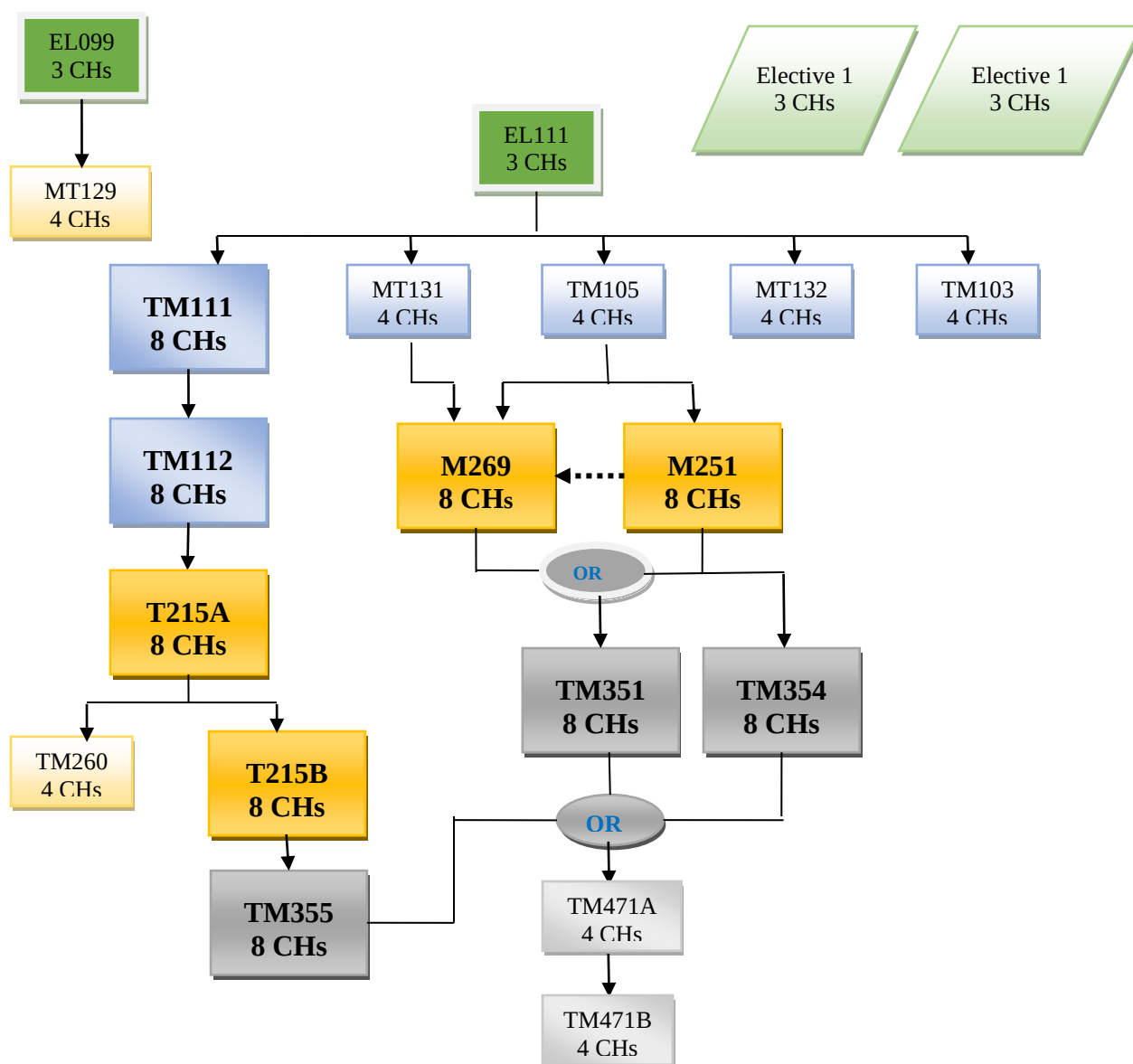


الجامعة العربية المفتوحة
Arab Open University

BSc (HONS) Information Technology and Computing (ITC) TRACK – Information Technology and Computing (ITC)

First Year				
Semester	Modules	Title	Credit Hours	Prerequisite
1 st (13 CHs)	EL111	English Communication Skills I	3	EL099
	GR118	Life Skills and Coexistence	3	-
	GT101	Computing Essentials	3	-
	MT129	Calculus and Probability	4	EL099
2 nd (14 CHs)	AR113	Arabic Communication Skills	3	-
	EL112	English Communication Skills II	3	EL111
	MT131	Discrete Mathematics	4	EL111
	MT132	Linear Algebra	4	EL111
Second Year				
Semester	Modules	Title	Credit Hours	Prerequisite
1 st (14 CHs)	GB102	Principles of Entrepreneurship for Non-Specialists	3	-
	TM111	Introduction to Computing and Information Technology-I	8	EL111
		A module from University Requirement/Elective	3	-
2 nd (19 CHs)	TM112	Introduction to Computing and Information Technology-II	8	TM111
	TM105	Introduction to Programming	4	EL111
	TM103	Computer Organization and Architecture	4	EL111
		Faculty Elective	3	
Third Year				
Semester	Modules	Title	Credit Hours	Prerequisite
1 st (16 CHs)	M251	Object-Oriented Programming using Java	8	TM105
	T215A	Communication and Information Technologies-Part A	8	TM112
2 nd (20 CHs)	M269	Algorithms, Data Structures and Computability	8	TM111 & MT131
	T215B	Communication and Information Technologies – Part B	8	T215A
	TM260	Ethics, Law and the Governance in IT	4	T215A
Fourth Year				
Semester	Modules	Title	Credit Hours	Prerequisite
1 st (20 CHs)	TM351	Data Management and Analysis	8	M269 or M251
	TM354	Software Engineering	8	M251
	TM471A	Graduation Project-A	4	TM355 or TM354 or TM351
2 nd (15 CHs)	TM355	Communications Technology	8	T215B
	TM471B	Graduation Project-B	4	TM471A
		Faculty Elective	3	

ITC Pathway - Hierarchy of Courses



—————> Pre-requisite
 - - - - -> It is preferred but not mandatory