Ahlia University
COLLEGE OF INFORMATION TECHNOLOGY
MASTER'S DEGREE IN INFORMATION TECHNOLOGY AND COMPUTER SCIENCE
MITCS 18-19

MITCS 18-19 - Orientation (9 CREDITS)

Course	Code	Course Title	Lec	Lab	Cr	Prerequisite
ECCE	501	Introduction to Information Security	3	0	3	
ITCS	516	Object-Oriented Programming	3	0	3	
ITCS	517	Data Structures & Algorithms	3	0	3	
					9	

MITCS 18-19 - FIRST YEAR (18 CREDITS)

First Semester

Course	Code	Course Title	Lec	Lab	Cr	Prerequisite
ITCS	514	Object Oriented Software Engineering	3	0	3	
ECTE	531	Advanced Networking	3	0	3	
ITMS	523	Multimedia Information Systems	3	0	3	
					9	

Second Semester

Course	Code	Course Title	Lec	Lab	Cr	Prerequisite
ITCS	511	Advanced Database Systems	3	0	3	
ECTE	537	Network Security	3	0	3	
ITCS	550	Research Methods & Modeling	3	0	3	Completion of at least 9 credits
					9	

MITCS 18-19 - SECOND YEAR (18 CREDITS)

First Semester

Course	Code	Course Title	Lec	Lab	Cr	Prerequisite
XXXX	XXX	Major Elective	X	X	3	
XXXX	XXX	Major Elective	X	X	3	
					6	

Second Semester

Course	Code	Course Title	Lec	Lab	Cr	Prerequisite
ITCS	599	Dissertation in Information Technology & Computer Science	0	24	12	ITCS 550 AND Completion of at least 21 credits
					12	

LIST OF PROGRAMME ELECTIVE COURSES

Course	Code	Course Title	Lec	Lab	Cr	Prerequisite
ECCE	507	Modeling & Simulation	3	0	3	
ECTE	535	Broadband & Wireless Networks	3	0	3	
ITCS	509	Artificial Intelligence	3	0	3	
ITCS	515	Business Intelligence	3	0	3	
ITCS	518	Mobile Application Development	3	0	3	
ITCS	520	Big Data Analytics	3	0	3	ITCS 511
ITCS	526	Cloud Computing	3	0	3	
ITCS	530	Bioinformatics Computing	3	0	3	

A student can register in the dissertation course ITCS 599 if the following conditions are satisfied: the student (1) completed successfully at least 21 credit hours including ITCS 550- Research Methods & Modeling, (2) received a grade of B or more in ITCS 550, AND (3) attained a CGPA of at least 3.0.