AHLIA UNIVERSITY

MASTER'S DEGREE IN INFORMATION TECHNOLOGY AND COMPUTER SCIENCE Programme Plan

Foundation Courses*

Course	Code	Course Title	Lec.	Lab.	Cre.	Prerequisite
ITFN	500	Object Oriented Programming	3	0	3	
ITFN	501	Data Structures & Algorithms	3	0	3	
ITFN	502	System Architecture	3	0	3	

* 1. If any student registered foundation course(s) according to the admission requirements, he/she must received a grade of B or more in all foundation courses he/she registered. 2. The grades of the foundation courses are not considered in the CGPA. 3. These courses are not considered as part of the MITCS programme.

Semster One

Course	Code	Course Title	Lec.	Lab.	Cre.	Prerequisite
ITCS	514	Object Oriented Software Engineering	3	0	3	
ITCS	527	Advanced Networking	3	0	3	
ITCS	511	Advanced Database Systems	3	0	3	

Semster Two

Course	Code	Course Title	Lec.	Lab.	Cre.	Prerequisite
ITCS	509	Artificial Intelligence	3	0	3	
ITCS	528	Cyber Security	3	0	3	
ITCS	550	Research Methods & Modeling	3	0	3	Completion of at least 9 credits

Semster Three

Course	Code	Course Title	Lec.	Lab.	Cre.	Prerequisite
ITCS/MS	5xx	Elective I	3	0	3	
ITCS/MS	5xx	Elective II	3	0	3	

Dissertation (12 Credits)

Course	Code	Course Title	Lec.	Lab.	Cre.	Prerequisite
ITCS	599	Dissertation in Information Technology & Computer Science	0	24	12	1. Completed successfully at least 21 credit hours including ITCS 550. 2. Received a grade of B or more in ITCS 550. 3. Attained a CGPA of at least 3.0

Elective Courses (6 Credits: two courses to chosen from the following list of elective courses)

Course	Code	Course Title	Lec.	Lab.	Cre.	Prerequisite
ITCS	529	Parallel and Distributed Systems	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	
ITCS	535	Internet Of Thing (IOT)	3	0	3	
ITMS	523	Multimedia Information Systems	3	0	3	
ITCS	538	Machine Learning	3	0	3	ITCS509
ITCS	539	Digital Forensics	3	0	3	ITCS528