

Ahlia University
COLLEGE OF INFORMATION TECHNOLOGY
MASTER'S DEGREE IN INFORMATION TECHNOLOGY AND COMPUTER SCIENCE
MITCS 20-21

MITCS 20-21 - Orientation * (9 CREDITS)

Course	Code	Course Title	Lec	Lab	Cr	Prerequisite
ITFN	500	Object Oriented Programming	3	0	3	
ITFN	501	Data Structures & Algorithms	3	0	3	
ITFN	502	System Architecture	3	0	3	
					9	

* 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.

MITCS 20-21 - FIRST YEAR (18 CREDITS)

First Semester

Course	Code	Course Title	Lec	Lab	Cr	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	
					9	

Second Semester

Course	Code	Course Title	Lec	Lab	Cr	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
					9	

MITCS 20-21 - SECOND YEAR (18 CREDITS)

First Semester

Course	Code	Course Title	Lec	Lab	Cr	Prerequisite
ITCS/MS	5XX	Elective I	3	0	3	
ITCS/MS	5XX	Elective II	3	0	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 And Minimum CGPA 3
					12	

A student can register in the dissertation course ITCS 599 if the following conditions are satisfied:

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.

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LIST OF PROGRAMME ELECTIVE COURSES

Course	Code	Course Title	Lec	Lab	Cr	Prerequisite
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	529	Parallel and Distributed Systems	3	0	3	
ITCS	530	Bioinformatics Computing	3	0	3	
ITCS	535	Internet of Things (IOT)	3	0	3	
ITCS	538	Machine Learning	3	0	3	ITCS 509
ITCS	539	Digital Forensics	3	0	3	ITCS 528
ITMS	523	Multimedia Information Systems	3	0	3	

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