Jadara University

جامعة جدارا

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Faculty of Science and Information Technology
Department of "Internet of Things"

كلية العلوم وتكنولوجيا المعلومات
قسم انترنت الاشياء

Indicative study plan for the academic year 2022/2023

1st Year

Semester 2				Semester 1			
Pre-requisite	Credit	Course Name	Course Code	Pre-requisite	Credit	Course Name	Course Code
185104	3	Linear Algebra (1)	185106		3	Introduction to Information Technology	185101
185101	3	Digital Logic Design	501293		3	Programming (1)	185103
185104	3	Discrete Mathematics	501291		3	Calculus (1)	185104
185103	3	Web Application Development	501214		3	Statistics & Probability (1)	185105
185103	3	Programming (2)	501221		3	University Elective course	
(15 Credit Hours)				**(15 Credit Hours)**			

2nd Year

Semester 2				Semester 1			
Pre-requisite	Credit	Course Name	Course Code	Pre-requisite	Credit	Course Name	Course Code
501241	3	Algorithm Design and Analysis	501292	501293	3	Computer Architecture	501305
507203	3	IoT programming	507204	501293	3	Data Communications and Networks	503473
501221	3	Visual Programming	501317	501221	3	Introduction to IoT	507203
501241	3	Fundamentals of Database	501341	501221	3	Data structure	501241
	3	University Elective course			3	University Obligatory course	
	3	University Elective course			3	University Elective course	
(18 Credit Hours)				**(18 Credit Hours)**			

3rd Yyar

Semester 2				Semester 1			
Pre-requisite	Credit	Course Name	Course Code	Pre-requisite	Credit	Course Name	Course Code
507300	3	Internet of Things: Sensors and Actuators	507301	501292	3	Artificial Intelligence	501352
501352		Machine learning	507306	501305	3	Operating systems	501471
507300	3	IoT Security and Privacy	507304	& 503473 507204	3	IoT Networks and Communications	507300
	3	**Program elective course**		501341	3	Basics of Big Data	507302
	3	University Elective course			3	Scientific Research Methods	185102
	3	University Obligatory course			3	University Elective course	
(18 Credit Hours)				**(18 Credit Hours)**			

4th Year

Semester 2				Semester 1			
Pre-requisite	Credit	Course Name	Course Code	Pre-requisite	Credit	Course Name	Course Code
507402	3	Natural languages processing	507405	507301	3	IoT Applications	507401
507402	3	Pattern Recognition	507406	507306	3	Neural Network and Deep learning	507402
507401	3	Simulation And Modeling of IoT	507455		3	**Program elective course**	
	3	University Obligatory course		hours (90)	3	Field training – Internet of Things	507498
507498	3	Graduation project (II)	507497	hours (90)	3	Graduation project (I)	507496
(15 Credit Hours)				**(15 Credit Hours)**			