



Department of Computer Engineering

Study Plan for Bachelor Degree in Computer Engineering (Curriculum 2019)



Acad. Year	First Trimester						Second Trimester						Third Trimester					
	Course Code	Course Name	Pre-req	Hours			Course Code	Course Name	Pre-req	Hours			Course Code	Course Name	Pre-req	Hours		
				Cr	Th	Pr				Cr	Th	Pr				Cr	Th	Pr
1	0827111	Calculus	----	3	4.5	0	0826152	Biology	----	3	4.5	0	1900101	Creed and Doctrines	----	2	3	0
	0921110	Introduction to Computing	----	4	4.5	4.5	0827121	Probability and Statistics	0827111	3	4.5	0	0603103	Business and Accounting	1722111	3	4.5	0
	1722111	Academic English	----	3	4.5	0	0921120	Fundamentals of Programming	0921110	4	4.5	4.5	0814132	Physics	----	4	4.5	3
	Total			10	13.5	4.5	Total			10	13.5	4.5	Total			12	16.5	3
2	0921212	Linear Algebra	0827122	3	4.5	0	0923213	Basic Electronics	0814132	4	4.5	4.5	1900102	Islamic Culture	----	2	3	0
	0921211	Data Structure and Algorithms	0921120 0827122	4	4.5	4.5	0923223	Digital Logic and Design	0814132	4	4.5	4.5	0923222	Differential Equations	0923210	3	4.5	0
	0924214	Fundamentals of Computer Networks	0921110	4	4.5	4.5	0923224	Numerical Analysis	0923210	3	4.5	0	0923221	Electric Circuits	0923213	4	4.5	4.5
	0923210	Advanced Calculus	0827111	3	4.5	0							0921220	Fundamentals of Software Engineering	0921120	4	4.5	4.5
	Total			14	18	9	Total			11	13.5	9	Total			13	16.5	9
3	0922312	Technical Reports	1722111	3	4.5	0	0923310	Signals and Systems	0921212	3	4.5	0	0922322	Professional Responsibility	0922312 0826152	3	4.5	0
	0923313	Computer Organization and Architecture	0923223	4	4.5	4.5	0921320	Computer Security	0924214	3	4.5	0	0923323	Embedded Systems	0923313	4	4.5	4.5
	0923311	Electronic Circuits	0923221	4	4.5	4.5	0921321	Operating Systems	0923313	4	4.5	4.5	1900???	University Elective(1)	----	2	3	0
	Total			11	13.5	9	Total			10	13.5	4.5	Total			12	16.5	4.5
Summer Semester																		
Course Code		Course Name		Credit Hours		Pre-Requisite												
0923330		Practical (Co-op) Training		3		"Department Approval and Finish 95 Credit Hours "												
4	0923410	Project Proposal	Dept. Approval	2	---	---	0923411	Design and Modeling of Digital Systems	0923313	4	4.5	4.5	0923421	Selected Topics in Computer Engineering	0923410	3	4.5	0
	1900???	University Elective(2)	----	2	3	0	0923412	Computer Peripherals and Interfacing	0923311 0923313	4	4.5	4.5	0923422	Parallel and Distributed Systems	0923313	3	4.5	0
							092?4??	Program Elective(2)	?	3	4.5	0	092?4??	Program Elective(3)	?	3	4.5	0
													0923420	Project Implementation	0923410	3	---	---
	Total			4	3	0	Total			11	13.5	9	Total			12	13.5	0

Elective Courses	Program Elective Courses (3 Courses of 9 Credit Hours Total)					University Elective Courses (2 Courses of 4 Credit Hours Total)				
	Course Code	Course Name	Pre-req.	Hours		Course Code	Course Name	Hours		
				Cr	Th			Cr	Th	
Elective Courses	0923413	Computational Intelligence and Expert Systems	0827122	3	4.5	1900103	Islamic Morals and Occupational Ethics	2	3	
						1900104	Studies in the Prophet's Biography	2	3	
	0923414	Digital Signal Processing	0923310	3	4.5	1900105	Medical Jurisprudence	2	3	
	0924415	Multimedia Networks and Applications	0924214	3	4.5	1900106	Economy and Politics in Islam	2	3	
	0924416	Telecommunication Networks	0924214	3	4.5	1900107	Social System and Family Behavior	2	3	
						0602233	Fundamentals of Entrepreneurship	2	3	
	0923423	Robotics	0923313	3	4.5	1900109	Health and Fitness	2	3	
	0923424	VLSI Design	0923411	3	4.5	1900110	Research Skills	2	3	
	0923425	Image Analysis and Machine Vision	0923310	3	4.5	1900111	Voluntary Work	2	3	
						1900112	Medicine: Type and Usage	2	3	
0923426	Computer Graphics	0827122	3	4.5	1900113	Human Rights in Islam	2	3		
0923427	Control Engineering	0923222	3	4.5	1900114	Food and Nutrition	2	3		