

Study Plan of the Program of Computer Engineering

Study Plan (1438)

Course ID	Course Title	Credit Hours	Contact Hours	Pre-requisite
First Year: First Term				
11030116	English (1)	3	18	
11010101	Islamic Culture 1 (Islamic morality)	2	2	
32000200	Introduction to Engineering	2	2	
32000300	Calculus (1)	3	3	
31022210	General Chemistry	4	3	
32040222	Engineering Drawing (1)	2		
11010113	Voluntary Service (1)			
First Year: Second Term				
11030216	English (2)	3	18	English (1)
31031201	General Physics (1)	4	5	
32000303	Calculus (2)	3	3	Calculus (1)
11020107	Quran	2	2	
11010111	Islamic Culture 2 (Islamic civilization)	2	2	
32030231	Architectural drawing	1	2	
11010123	Voluntary Service (2)			
Second Year: First Term				
32050301	Fundamentals of Electrical Engineering	3	2	General Physics (1)
32021201	Computer Programming	3	2	-
32000202	Engineering Math. (1)	3	3	Calculus (2)
32000100	Special English language	2	2	English (2)
32000206	Engineering Economics	2	2	-
11020204	Healthy culture	1	1	-
32000102	Fundamental of Engineering Workshop	1		
Second Year: Second Term				
32000301	Engineering Math. 2	3	3	Calculus (2)
32021202	Computer Programming (2)	3	2	Computer programming

32050401	Electrical Circuits 1	3	2	Fundamentals of Electrical Engineering
32021303	Logic Design	4	3	Engineering Math. (1)
32000204	Engineering Statistics	3	3	Calculus (2)
Third Year: First Term				
32000302	Engineering Math (3)	3	3	Engineering Math. (1)
32021308	Advanced Logic Design	4	3	Logic Design
32021325	Object Oriented Programming	4	3	Computer programming (2)
32000404	Engineering Management	2	2	Engineering Economy
32000101	Research and article writing skills	2	2	
32050608	Electronic Devices	3	2	Electric Circuits Analysis (1)
Third Year: Second Term				
32021407	Database Systems	4	3	Computer programming (2)
32021423	Computer Organization	3	3	Advanced Logic Design
32021307	Algorithms and data Structures	4	3	Object Oriented Programming
32011202	Statics	3	3	
32021321	Data Communication	3	3	Engineering Math (2)
Third Year: Summer Term				
32000400	Summer training (1)	2		
Fourth Year: First Term				
32052502	Digital Electronics	4	3	Electronic Devices
32021406	Computer Networks (1)	4	3	Data Communication
32021404	Microprocessors	4	3	Computer Organization
32021402	Computer Architecture	3	3	Computer Organization
32050604	Technical Writing and Presentation	1	2	Special English language
Fourth Year: Second Term				
32021503	Software Engineering	3	3	Object Oriented Programming
32022501	Introduction to Computer Security	3	3	Computer Networks (1)

32021505	Microprocessors Interfacing	4	3	Microprocessors
32021501	Computer Networks (2)	4	3	Computer Networks (1)
32041409	Numerical analysis	3	3	Engineering Math. (2)
Fourth Year: Summer Term				
32000500	Summer training (2)	2		Summer training (1)
Fifth Year: First Term				
32021409	Operating System	3	3	Algorithms and data Structures
32021510	Digital Signal Processing	3	3	Data Communication
32021430	Embedded Systems	3	2	Microprocessors
32021527	Graduation project- part (1)	1	1	Passing 123 credit hours (and) Technical Writing
-	Elective Course (1)	3	3	
-	Elective Course (2)	3	3	
Fifth Year: Second Term				
32021518	Real Time Systems	3	3	Operating System
32021528	Graduation project- part (2)	3	3	Graduation project-part (1)
-	Elective Course (3)	3	3	
-	Elective Course (4)	3	3	
Electives				
32021511	Digital Communication	3	3	Data Communication
32021512	Optical Communication	3	3	Data Communication
32021520	Introduction to Multimedia Networks	3	3	Computer Networks (1)
32021504	Wireless Networks	3	3	Computer Networks (1)
32021513	Neural Networks	3	3	Algorithms and data Structures
32021514	Artificial Intelligence	3	3	Algorithms and data Structures
32021515	Parallel and Distributed Systems	3	3	Algorithms and data Structures
32021405	Simulation and modeling	3	3	Algorithms and data Structures
32021516	VLSI Design	3	3	Advanced Logic Design

32021502	Parallel processing	3	3	Computer Architecture
32021517	Microcontrollers	2	3	Microprocessors
32021521	Special topics in Computer Networks	3	3	Computer Networks (1)
32021522	Special topics in Software Engineering	3	3	Object oriented Programming
32021523	Special topics in Embedded Systems and Control	3	3	Microprocessors
32021524	Special topics in Computer Security	3	3	Introduction to Computer Security