

Computer Engineering and Networks Department

Study Plan

- Program Period 5 Years
- Total Hours 238 Hours

Course Code	Course Name	Course Hours	Course Level
IC 101	Introduction of Islamic Culture	2	1
MATH 1050	Differential calculus	4	1
ENGL 1210	Reading Skills	5	1
ENGL 1220	Writing Skills	5	1
CT 1400	Computer Skills	3	2
ENGL 1230	Conversation and listening skills	5	2
MATH 1060	Integral calculus	4	2
ARAB101	Language Skills	2	2
MC 1400	Communication Skills	2	3
ENG 1606	English for Academic Purposes	4	3
ENG 1604	English for Technical Purposes	5	3
PHYS 1010	General physics(I)	5	3
CS 1301	Computer Programming 1	5	4
CS 1112	Discrete Mathematics	4	4
SE 1010		2	4
MATH 2220	Linear Algebra for Computer Students	4	4
IC 102	The Islam and Society Building	2	4
STAT 1050	Probability and Statistics for Computer Students	4	5
CS 2301	Computer Programming 2	5	5
CE 1111	Logic Design	4	5
IS 2511	Fundamentals of Database Systems	4	5
MATH 3310	Differential Equations for Computer Students	4	6

Course Code	Course Name	Course Hours	Course Level
PHYS 1040	General Physics(II)	5	6
ARAB103	Arabic Editing	2	6
CE 2121	Logic Design Lab	2	6
CS 2321	Algorithms and Data Structures	4	6
MATH 2540	Numerical Methods	4	7
CE 2401	Computer Organization & Design	4	7
CS 3701	Operating Systems	4	7
CE 2501	Electrical Circuits	4	7
IC 103	The Foundation Of the Economic System in Islam	2	8
CE 2511	Electrical Circuits Lab	2	8
CE 3501	Electronic Circuits	4	8
CS 3501	Introduction to Artificial Intelligence	4	8
CS 2401	ComputationTheory	4	8
CE 3270	Numbers Theory	4	9
CE 3401	Computer Architecture	4	9
CE 3520	Signals and systems analysis	4	9
IC 104	Foundations of the political system in Islam	2	9
CE 3510	Electronic circuits lab	2	9
CE 3701	Data Communications	5	10
CE 3541	Control Systems	4	10
SE 2111	Software Engineering Foundations	4	10
CE 2131	Computer Maintenance Lab	2	10
CS 3001	Ethical and Professional Practices	3	10
CE 3601	Digital Systems Design	5	11
CE 3711	Computer Networks	4	11
CE 3001	Engineering Economics	3	11
CE 3411	Microprocessor Systems	5	11
CE 4501		5	12

Course Code	Course Name	Course Hours	Course Level
CE 3421		4	12
CS 3101	Seminar in Undergraduate Advanced Research	2	12
CE 3551	Control Systems Lab	2	12
CE 3631	Embedded Systems Design	5	12
CE 4601	Re-configurable Computing	4	13
CE 4721	Computer Networks	4	13
CE 3721	Computer Networks Lab	2	13
CE 4801	Rabotics & Automation	5	13
CE 4711	Computers and Network Security	4	13
CE 4910	Graduation Project I	3	13
CE 4740	Cloud Computing	4	13
CE 4750	Multimedia networking	4	13
CE 4760	Mobile and Wireless Networks	4	13
CS 4201	Soft Computing	4	13
CS 4211	Simulation and Modeling	4	13
CS 4651	Digital Image Processing	4	13
CS 4851	Computer Network Management	4	13
SE 4141	Advanced Software Engineering	4	13
CS 4731	Systems Programming & Administration	4	13
SE 4551		4	13
CE 4771		4	13
CS 4301	Compiler Design	4	13
CE 4981	Selected Topics	4	13
CE 4991	Research	4	13
CE 4521	Digital Signal Processing	4	13
CE 4531	Storage Media Technologies	4	13
CE 4561		4	13
CE 4921	Graduation Project II	5	14
CE 4901	Field Training	3	15

