



Degree Plan

Degree : Bachelor	Faculty : College of Computer and Inf	Plan hrs : 163
Semester : 451	Dept : Computer and Network Engi	Plan Type : Main
Edition : 3	Major : COME1- Computer and Network Engineering	Gender : All

Group : إجبارية (154)

First					
code	Course Name	Hr.	requisite	Year	Activities Desc
CHS 101	HEALTH AND FITNESS	2	-	-	lecture (2)
PHYS 107	INTRODUCTION TO PHYSICS 1	3	-	-	lecture (2), practical (2)
ENGL 109	ENGLISH LANGUAGE 1	6	-	-	(2), lecture (2), practical (8)
CT 130	COMPUTER SKILLS	3	-	-	lecture (2), practical (2)
MATH130	INTRODUCTION TO MATHEMATICS	3	-	-	lecture (2), training (2)
Total					17

Second					
RAD 101	ENTREPRENEURSHIP	2	-	-	lecture (2)
ACT 105	ACADEMIC AND LIFE SKILLS	3	-	-	lecture (2), practical (2)
ENGL 110	ENGLISH LANGUAGE 2	4	ENGL 109 - S	-	(3), lecture (2), practical (4), (3)
ENGL 128	ENGLISH LANGUAGE FOR ENGINEERING PURPOSES	2	-	-	lecture (1), practical (2)
MATH 135	MATHEMATICS 2	4	MATH130 - S	-	lecture (2), training (4)
Total					15

Third					
IC 101	INTRODUCTION TO ISLAMIC CULTURE	2	-	-	lecture (2)
ARAB101	LANGUAGE SKILLS	2	-	-	lecture (2)
CT 201	INTRODUCTION TO DATABASE SYSTEMS	3	CT 130 - S	-	lecture (2), practical (2)
CSC 202	BASICS OF PROGRAMMING AND ALGORITHMS	3	CT 130 - S	-	lecture (2), practical (2)
MATH 221	DIFFERENTIAL AND INTEGRAL CALCULUS	3	MATH 135 - S	-	lecture (2), training (2)
CSC 230	PHYSICS FOR COMPUTER SCIENCE	3	PHYS 107 - S	-	lecture (2), practical (2)
Total					16



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Forth					
code	Course Name	Hr.	requisite	Year	Activities Desc
IC 102	ISLAM AND THE BUILDING OF COMMUNITY	2	-	-	lecture (2)
ARAB103	ARABIC EDITING	2	-	-	lecture (2)
CT 202	COMPUTER NETWORKS 1	3	CT 130 - S	-	lecture (2), practical (2)
MATH 210	PRINCIPLES OF STATISTICS AND PROBABILITY	3	MATH 135 - S	-	lecture (2), training (2)
CSC 212	PROGRAMMING LANGUAGE 1	3	CSC 202 - S	-	lecture (2), practical (2)
MIS 221	SYSTEM ANALYSIS AND DESIGN	3	CSC 202 - S CT 201 - S	-	lecture (2), practical (2)
Total					16

Fifth					
CHEM101	GENERAL CHEMISTRY 1	4	-	-	lecture (3), practical (2), exercise (1)
IC 103	THE ISLAMIC ECONOMIC SYSTEM	2	-	-	lecture (2)
GE 106	INTRODUCTION TO ENGINEERING	2	-	-	lecture (1), practical (2)
PHYS 150	GENERAL PHYSICS	4	-	-	lecture (3), practical (2), exercise (1)
CSC 213	PROGRAMMING LANGUAGE 2	3	CSC 212 - S	-	lecture (2), practical (2)
MATH 250	ADVANCED CALCULUS	3	MATH 221 - S	-	lecture (3), exercise (1)
Total					18



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Sixth

code	Course Name	Hr.	requisite	Year	Activities Desc
MATH 207	DISCRETE MATHEMATICS	3	MATH 135 - S	-	lecture (2), training (2)
MATH 251	DIFFERENTIAL EQUATIONS	3	MATH 250 - S	-	lecture (3), exercise (1)
CNE 302	ELECTRIC CIRCUITS	3	PHYS 150 - S MATH 250 - S	-	lecture (3), exercise (1)
CNE 304	ELECTRIC CIRCUITS LAB	1	CNE 302 - M	-	practical (2)
CNE 306	DIGITAL LOGIC DESIGN	3	MATH 135 - S	-	lecture (3), exercise (1)
CNE 308	DIGITAL LOGIC LAB	1	GE 106 - S CNE 306 - M	-	practical (2)
CNE 310	COMPUTER AIDED ENGINEERING DRAWING	3	CT 130 - S	-	lecture (2), practical (2)
Total					17

Seventh

IC 104	BASICS OF ISLAMIC POLITICAL SYSTEM	2	-	-	lecture (2)
MATH 246	LINEAR ALGEBRA	3	MATH 207 - S	-	lecture (3), exercise (1)
CNE 401	COMPUTER ARCHITECTURE AND ORGANIZATION	3	CNE 306 - S	-	lecture (2), practical (2)
CNE 403	COMPUTER NETWORKS	2 3	CT 202 - S	-	lecture (3), exercise (1)
CNE 405	COMPUTER NETWORKS LAB	1	CNE 403 - M	-	practical (2)
CNE 407	ELECTRONICS	3	CNE 302 - S	-	lecture (3), exercise (1)
CNE 409	ELECTRONICS LAB	1	CNE 407 - M	-	practical (2)
Total					16

Eighth

MIS 307	DATA STRUCTURE	3	CSC 212 - S	-	lecture (2), practical (2)
CNE 402	SIGNALS AND SYSTEMS	3	MATH 251 - S	-	lecture (2), practical (2)
CT 403	OPERATING SYSTEMS	3	CNE 401 - S	-	lecture (2), practical (2)
CNE 404	EMBEDDED SYSTEMS	3	CNE 401 - S	-	lecture (3), exercise (1)
CNE 406	EMBEDDED SYSTEMS LAB	1	CNE 404 -	-	practical (2)
MATH 450	NUMERICAL METHODS	3	MATH 250 - S	-	lecture (3), exercise (1)
CNE 593	FIELD TRAINING	1	-	-	training (2)
Total					17



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Ninth					
code	Course Name	Hr.	requisite	Year	Activities Desc
CNE 501	DIGITAL SIGNAL PROCESSING	3	CNE 402 - S	-	lecture (2), practical (2)
CNE 503	NETWORK SECURITY	3	CNE 403 - S	-	lecture (2), practical (2)
CNE 504	INTRODUCTION TO ROBOTICS	3	MATH 246 - S	-	lecture (2), practical (2)
CNE 591	GRADUATION PROJECT	1 3	-	-	project (6)
Total					12

Tenth					
GE 403	ENGINEERING ECONOMY	2	-	-	lecture (2), exercise (1)
GE 490	ETHICS AND PROFESSIONAL PRACTICE	2	-	-	lecture (2), exercise (1)
CNE 502	DIGITAL CONTROL SYSTEMS	3	CNE 501 - S	-	lecture (2), practical (2)
CNE 592	GRADUATION PROJECT	2 3	CNE 591 - S	-	project (6)
Total					10



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Ninth

code	Course Name	Hr.	requisite	Year	Activities Desc
CNE 505	DIGITAL SYSTEM DESIGN	3	CNE 404 - S	-	lecture (2), practical (2)
CNE 506	ADVANCED COMPUTER ARCHITECTURE	3	CNE 401 - S CNE 505 - M	-	lecture (2), practical (2)
CNE 508	ADVANCED ROBOTICS	3	CNE 504 - S CNE 505 - M	-	lecture (2), practical (2)
CNE 510	VLSI DESIGN	3	CNE 407 - S CNE 505 - M	-	lecture (2), practical (2)
Total					12

Tenth

CNE 507	ROUTING AND SWITCHING	3	CNE 403 - S	-	lecture (2), practical (2)
CNE 509	CYBERSECURITY PRINCIPLES	3	CNE 403 - S	-	lecture (2), practical (2)
CNE 512	MOBILE COMPUTING	3	CNE 507 - M	-	lecture (2), practical (2)
CNE 514	INTERNET ENGINEERING AND TECHNOLOGIES	3	CNE 507 - M	-	lecture (2), practical (2)
CNE 516	BLOCKCHAIN ENGINEERING	3	CNE 507 - M	-	lecture (2), practical (2)
CNE 518	PUBLIC KEY INFRASTRUCTURE	3	CNE 509 - M	-	lecture (2), practical (2)
CNE 520	WEB AND ECOMMERCE SECURITY	3	CNE 509 - M	-	lecture (2), practical (2)
CNE 522	INTERNET-OF-THINGS IOT SECURITY	3	CNE 509 - M	-	lecture (2), practical (2)
Total					24