قسم تقنية المعلومات

الخطة الدراسية

First Year

Level 1 (Prep. Year)

Code	No.	Course Title	Credits / Hours	PR	CR
ENG	001	Preparatory English 1	8 (20,0,0)		
MATH	001	Introduction to Mathematics 1	2 (2,0,1)		
CS	001	Computer Skills	2 (1,2,0)		
SKL	001	Learning & Communication Skills	2 (1,2,0)		
Total Semester Credits :14					

Level 2 (Prep. Year)

Code	No.	Course Title	Credits /Hours	PR	CR
ENG	002	Preparatory English 2	6 (14,0,0)	ENG 001	
ENG	003	English for science and Engineering	2 (4,0,0)		
MATH	002	Introduction to Mathematics 2	4 (4,0,1)	MATH 001	
PHY	001	General Physics	3 (2,2,1)		
Total Semester Credits :15					

Second Year

Level 3

Code	No.	Course Title	Credits / Hours	PR	CR
ISL	----	Elective Islamic Culture (1)	2 (2,0,0)		
CS	110	Programming 1	4 (3,2,0)		
MATH	112	Calculus1	3 (3,0,1)		
MATH	111	Discrete Mathematics	3 (3,0,1)		
PHY	104	Physics 1	3 (2,2,1)		
ENG	114	Technical English 1	2 (2,0,0)		
Total Semester Credits :17					

Level 4

Code	No.	Course Title	Credits / Hours	PR	CR
ARB	----	Elective Arab Course	2 (2,0,0)		
CS	120	Programming 2	4 (3,2,0)	CS 110	
IT	200	Information Technology Fundamentals	3 (3,0,1)		
MATH	122	Calculus 2	3 (3,0,1)	MATH 112	
ENG	124	Technical English 2	2 (2,0,0)	ENG 114	
STAT	102	Probability and Statistics	3 (3,0,1)		
Total Semester Credits :17					

Third Year

Level 5

Code	No.	Course Title	Credits / Hours	PR	CR
ISL	----	Elective Islamic Culture (2)	2 (2,0,0)		
CS	210	Data Structure	3 (3,0,1)	CS 120	
IT	481	Professional Practice &Ethics	2 (2,0,0)		
MATH	107	Linear Algebra	3 (3,0,1)	MATH122	
IT	210	Visual Programming	3 (3,0,1)	CS 120	
		Elective Professional Course 1	2	CS 120	
Total Semester Credits :15					

Level 6

Code	No.	Course Title	Credits / Hours	PR	CR
IT	301	Information Management	3 (3,0,0)		
CS	240	Operating Systems	3 (3,0,1)	CS 210	
CS	312	Computer organization	3 (3,0,1)	MATH 111	
IS	231	Fundamental of Database	3 (3,0,1)	CS 120	CS 210
CS	360	Software Engineering	3 (3,0,1)	CS 210	
---	---	Elective General Course 1	2 (2,0,0)		
Total Semester Credits :17					

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Fourth Year

Level 7

Code	No.	Course Title	Credits/Hours	PR	CR
---	---	Elective General Course 2	2 (2,0,0)		
IT	321	Multimedia & Web Design	3 (2,2,0)	IS 231	
IT	331	Human Computer Interactions	3 (3,0,1)	CS210 IT 210	
IT	332	Systems Integration	3 (3,0,1)	CS 360	
IT	341	Data Transmission & Computer Networks	3 (3,0,1)	CS 240	
IT	311	Database Lab	2 (0,4,0)	IS 231	
Total Semester Credits :16					

Level 8

Code	No.	Course Title	Credits / Hours	PR	CR
IS	410	Systems Analysis & Design	3 (3,0,1)	CS 210	
IS	334	Project Management	3 (3,0,1)		
IT	432	Systems Administration and Maintenance	3 (3,0,1)	CS 360	
IT	342	Computer Networks Lab	2 (0,4,0)	IT 341	
IS	445	Information Security	3 (3,0,1)	IT 341	
IT	399	Seminar	1 (1,0,0)	100 Units	
Total Semester Credits :15					

Fifth Year

Level 9

Code	No.	Course Title	Credits / Hours	PR	CR
IT	---	Track Course	3		
IT	498	Graduation Project 1	2 (2,0,0)	120 Units	
IT	400	Summer Training	1 (1,0,0)	120 Units	
IT	333	Intelligent Systems	3(3,0,1)	CS 210	
IT	---	Track Course	3		
		Elective Professional Course 2	2	100 Units	
Total Semester Credits :14					

Level 10

Code	No.	Course Title	Credits / Hours	PR	CR
ISL	---	Elective Islamic Culture (3)	2 (2,0,0)		
IT	---	Track Course	3		
IT	---	Track Course	3		
IT	499	Graduation Project 2	3(3,0,0)	IT 498	
		Elective Professional Course 3	2	100 Units	
Total Semester Credits :13					

TRACK COURSES FOR "NETWORKS AND SYSTEMS ADMINISTRATION": STUDENTS CHOOSE 4 COURSES

Code/ No	Course Tile	Credit Hours	PR
IT 421	Information Administration and Storage Technology	3 (3,0,1)	IS 231
IT 422	Infrastructure Environment and Network Servers	3 (3,0,1)	IT 341
IT 423	Database Management Systems	3 (3,0,1)	IS 231
IT 424	Global Information Management	3 (3,0,1)	IS 334
IT 425	Enterprise Architecture and Systems Design	3 (3,0,1)	CS 360
IT 426	Mobile & Wireless Networks	3 (3,0,1)	IT 341
IT 427	Concepts of Multimedia Processing & Transmission	3 (3,0,1)	IT 321 & IT 341
IT 428	Selected Topics in Networks	3 (3,0,1)	>100
IT 429	Selected Topics in System Administration	3 (3,0,1)	>100

TRACK COURSES FOR "WEB AND MULTIMEDIA DEVELOPMENT": STUDENTS CHOOSE 4 COURSES

Code/ No	Course Tile	Credit Hours	PR
IT 423	Database Management Systems	3 (3,0,1)	IS 231
IT 451	Web Site Management	3 (3,0,1)	IS 334 & IT 341
IT 452	Web Development Using Content Management Systems	3 (3,0,1)	IT 321
IT 453	Digital Technology Applications	3 (3,0,1)	IT 321 & IT 341
IT 454	Information Visualization	3 (3,0,1)	IT 201 & IT 331
IT 455	Advanced Web Applications Development	3 (3,0,1)	IT 321
IT 456	Mobile Applications	3 (3,0,1)	IT 321
IT 457	Cloud Computing	3 (3,0,1)	IT 341 & IS 231
IT 446	Selected Topics in Web Technologies	3 (3,0,1)	>100
IT 447	Selected Topics in Multimedia	3 (3,0,1)	>100

TRACK COURSES FOR " INFORMATION SECURITY ": STUDENTS CHOOSE 4 COURSES

Code/ No	Course Tile	Credit Hours	PR
IT 461	Fundamentals of Cryptography	3 (3,0,1)	MATH 122
IT 462	IT Security: Attack & Defense	3 (3,0,1)	IT 341
IT 463	Legal Issues in Information Security Management	3 (3,0,1)	IT 444 ENG 114
IT 464	Information Security Management	3 (3,0,1)	IT 301 & IS 445 & IS 334
IT 465	Risk Analyst Capstone	3 (3,0,1)	IS 241 & IS 334 & IS 445
IT 466	Information Security Forensics and Incident Response	3 (3,0,1)	IS 334 & IT 461 & IT 462
IT 467	Secure System Accreditation and Certification	3 (3,0,1)	IS 444
IT 468	Selected Topics in Secure Systems Administrator	3 (3,0,1)	CS 210 & IS 334
IT 469	Selected Topics in Network Security	3 (3,0,1)	IT 341