PROGRAM GUIDE

Level 1

#	COURSE NO.	COURSE TITLE	PR
1	2301116-2	Qur'aan I	
2	2302116-2	Islamic Culture I	
3	2304101-4	Differential & Integral Calculus I	
4	2310102-2	English Language I	
5	2316101-3	Introduction to Computer Science	
6	2316102-3	Introduction to Information Systems	

Level 2

#	COURSE NO.	COURSE TITLE	PR
7	2302216-2	Islamic Culture II	2
8	2304102-4	Differential & Integral Calculus II	3
9	2306102-4	General Physics I	
10	2310105-3	Communication Skills in English I	4
11	2316103-3	Computer Programming	5

Level 3

#	COURSE NO.	COURSE TITLE	PR
12	2303109-2	Arabic Language	
13	2304131-3	Elementary Statistics & Probability	8
14	2304251-4	Introduction to Set Theory	
15	2309141-2	The Bio. of the Prophet Muhammad	
16	2316204-3	Structured Programming	11
17	2316213-3	Logic Analysis & Design	5

Level 4

#	COURSE NO.	COURSE TITLE	PR
18	2301216-2	Qur'aan II	1
19	2302316-3	Islamic Culture III	7
20	2316205-3	Advanced Programming	16
21	2316210-3	Discrete Structures	14
22	2316211-3	Web Programming	11
23	2316214-3	Computer Org. & Assembly Prog	17

Level 5

#	COURSE NO.	COURSE TITLE	PR
24	2316315-3	Computer Architecture	23
25	2301316-2	Qur'aan III	18
26	2316316-3	Multimedia Systems	22
27	2316317-3	Logic Programming	21
28	2316318-4	Data Structures & Algorithms	20
29	2302416-3	Islamic Culture IV	19

Level 6

#	COURSE NO.	COURSE TITLE	PR
30	2301416-2	Qur'aan IV	25
31	2316327-3	File Processing & Organization	28
32	2316322-3	System Analysis & Design	6
33	2316331-4	Programming Languages	20,27
34	2316333-3	Internet Applications Development	26

Level 7

#	COURSE NO.	COURSE TITLE	PR
35	2316410-3	Compiler Construction	33
36	2316411-3	Operating Systems	24
37	2316412-3	Fundamentals of Databases	31,32
38	2316413-3	Software Engineering	32
39	2316415-3	Computer Theory	31,33

Level 8

#	COURSE NO.	COURSE TITLE	PR
40	2316430-3	Computer Graphics	26
41	2316432-3	Intro. to Artificial Intelligence	39
42	2316433-3	Parallel & Distr. Computer Systems	36,37
43	2316434-3	Human-Computer Interaction	26
44	2316435-3	Advanced Databases	37

Level 9

#	COURSE NO.	COURSE TITLE	PR
45	2316513-3	Expert Systems	41
46	2316514-3	Research Project I	36,44
47	2316517-3	Computer Network Systems	40
48	2316518-3	Selected Topics I	
49	2316519-4	Natural Language Processing	41

Level 10

#	COURSE NO.	COURSE TITLE	PR
50	2316530-3	Arabization Systems	49
51	2316531-3	Computers & Society	
52	2316532-3	Computer Security	36
53	2316533-3	Selected Topics II	
54	2316539-4	Graduation Project II	46

COMPUTER SCIENCE DEPARTMENT
Kingdom of Saudi Arabia
Ministry of Education
Umm Al-Qura University
University College in Al-Jamoum

INFORMATION

103 Credits of computer science courses

26 Credits of general education

31 Credits of mathematics and basic sciences

160 Hours of Plan

160 Hours Completed

54 Course

PROGRAM

REGULATIONS

All students are registered automatically through the university computerized registration system, and follow a model study plan set by the department.

Student are not allowed to violate prerequisite restrictions.

Students are allowed to make changes, such as add, drop, and change section through the guidance of the central advising committee.

Students cannot withdraw from more than two courses per semester except with the permission of the vice dean for academic affairs.

Students can withdraw from the entire semester late in the semester, subject to the chair and vice dean for academic affairs approval.

TRANSFARE TO THE COLLAGE
Can be done through 3 different channels
1-Transfer from Other Universities
2-Transfer within the College
3-Transfer Credits

ALL OF THIS NEED PERMISSIONS AND MEET SOME REQUIREMENTS.

STUDENT OUTCOMES

SO a An ability to apply knowledge of computing and mathematics appropriate to the discipline .

SO b An ability to analyze a problem, and identify and define the computing requirements appropriate to its solution .

SO c An ability to design, implement and evaluate a computer-based system, process, component, or program to meet desired needs .

SO d An ability to function effectively on teams to accomplish a common goal .

SO e An understanding of professional, ethical, legal, security, and social issues and responsibilities.

SO f An ability to communicate effectively with a range of audiences.

SO g An ability to analyze the local and global impact of computing on individuals, organizations and society.

SO h Recognition of the need for, and an ability to engage in, continuing professional development.

SO i An ability to use current techniques, skills, and tools necessary for computing practices.

SO j An ability to apply mathematical foundations, algorithmic principles, and computer science theory in the modeling and design of computer-based systems in a way that demonstrates comprehension of thetradeoffs involved in design choices.

SO k An ability to apply design and development principles in the construction of software systems of varying complexity.

1
Practice as computer scientists, designing, developing or maintaining technical projects in various areas of computing.

2
Enhance their skills and gain knowledge about newtechnologies through self-directed training, attending workshops, joining professional societies or post graduate education

3
Progress successfully in their profession.

PROGRAM OBJECTIVE

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