

Name: \_\_\_\_\_

ID: \_\_\_\_\_

Email: \_\_\_\_\_

Major Concentration Field: **Computer Science**

Track: \_\_\_\_\_

**Instructions:**

Print or type on the required files.

Indicate the term when you expect to attend the course (e.g 2014F, 2015S).

The levels indicate the standard academic program.

Fill out the course code for elective courses including elective Islamic culture courses, elective Arab courses, professional courses, general courses, science courses, and elective track courses.

First Year											
Level 1						Level 2					
Term	Code	Course	Cr.	P.R	Gr.	Term	Code	Course	Cr.	P. R	G
	PENG 111	Preparatory English 1	8	N/A			PENG 121	Preparatory English 2	6	PENG 111	
	PMTH 112	Introduction to Mathematics 1	2	N/A			PENG 123	English for science and Engineering	2		
	PCOM 113	Computer Skills	2	N/A			PMTH 127	Introduction to Mathematics 2	4	PMTH 112	
	PSSC 114	Learning & Communication Skills	2	N/A			PPHS 128	General Physics	3	N/A	
Second Year											
Level 3						Level 4					
Term	Code	Course	Cr.	P. R.	Gr.	Term	Code	Course	Cr.	P.R.	G
	SALM	Elective Islamic Culture (1) <sup>1</sup>	2	N/A			ARAB	Elective Arab Culture <sup>2</sup>	2	N/A	
	CS 110	Programming 1	4	PCOM 113			CS 120	Programming 2	4	CS 110	
	MATH 112	Calculus 1	3	PMTH 127			MATH 126	Calculus 2	3	MATH 112	
	MATH 111	Discrete Mathematics	3	N/A			ENG 127	Technical English 2	2	ENG 114	
	PHY 104	Physics 1	3	PPHS 128			PHY 125	Physics 2	3	PHY104	
	ENG 114	Technical English 1	2	PENG 121			STAT 102	Probability and Statistics	3	MATH 112	
Third Year											
Level 5						Level 6					
Term	Code	Course	Cr.	P.R.	Gr.	Term	Code	Course	Cr.	P.R.	G
	SALM	Elective Islamic Culture (2) <sup>1</sup>	2	N/A			CS 240	Operating Systems	3	CS 210	
	CS 210	Data Structures	3	CS 120				Science Elective <sup>7</sup>	3	N/A	
	MATH 205	Differential Equations	3	MATH 126			CS 312	Computer organization	3	MATH 111, CS210	
	IS 231	Fundamental of Database	3	CS 110			CS 270	Programming Languages	3	CS120	
	MATH 107	Linear Algebra	3	MATH 112				Elective General Course (1) <sup>3</sup>	2	N/A	
	IT	Elective Professional Course (1) <sup>4</sup>	2	CS 110 + Advisor			SALM	Elective Islamic Culture (3) <sup>1</sup>	2	N/A	

Student Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Faculty Advisor Signature: \_\_\_\_\_

Date: \_\_\_\_\_

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Track: \_\_\_\_\_

Email: \_\_\_\_\_

Fourth Year											
Level 7						Level 8					
Term	Code	Course	Cr.	P.R.	Gr.	Term	Code	Course	Cr.	P.R.	G
	CS 310	Computer Graphics	3	CS120			CS 350	Parallel and Distributed Computing	3	CS312	
	CS 305	Algorithm Design and Analysis	3	CS210			CS 360	Software Engineering	3	CS120	
	CS 320	Artificial Intelligence	3	MATH111			MATH 254	Numerical Methods	3	MATH 205	
	CS 330	Compilers	3	CS270			IT 481	Ethics & Professional Practice	2	100 Cr.	
	IT 341	Data Transmission and Computer Networks	3	CS240			CS 399	Seminar	1	100 Cr.	
		Elective General Course 2 <sup>3</sup>	2	N/A			IS 334	Project Management	3	100 Cr.	
Fifth Year											
Level 9						Level 10					
Term	Code	Course	Cr.	P.R.	Gr.	Term	Code	Course	Cr.	P.R.	G
	CS 450	Information Security	3	IT341			CS	Track Course <sup>5/6</sup>	3		
	CS	Track Course <sup>5/6</sup>	3				CS	Track Course <sup>5/6</sup>	3		
	CS	Track Course <sup>5/6</sup>	3				CS 432	Software Modeling and Analysis	3	CS 360	
	CS 498	Graduation Project 1	2	120 Cr.			CS 499	Graduation Project 2	3	CS 498	
	CS 400	Summer Training	1	120 Cr.			IT	Elective Professional Course (3) <sup>4</sup>	2	100 Cr.	
	IT	Elective Professional Course (2) <sup>4</sup>	2	100 Cr.							

**NOTES:**

1- SALM 101 Introduction to Islamic Culture, SALM 102 Islam and Society Building , SALM 103 Economic System in Islam , and SALM 104 Fundamental of Political System in Islam.

2- ARAB 101 Arabic Language Skills , and ARAB 102 Arabic Writing.

3- Principles of Health and Fitness, Business Entrepreneurship, Societal Issues, Human Rights, Family and Childhood Systems, and General English

4-List of professional courses

5-CS 430 Design and Architecture of Large Software System, CS 431 Low-Level Design of Software, CS 433 Software Project Management, CS 434 Software Evolution (Maintenance), and CS 435 Software Architectures

6- CS 440 Coding and Information Theory, CS 441 Security Management, CS 442 Computer Security, CS 443 Formal Methods for Cryptography, CS 444 Internet Security, tools & techniques, and CS 445 Network Management and Security

7-List of Elective Scinces courses.

Student Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Faculty Advisor Signature: \_\_\_\_\_

Date: \_\_\_\_\_