



Study Plan

Degree : Bachelor Faculty : Computer & Information Sci Plan Hrs.: 137
 Semester : 383 Department : software engineering Plan Type : Major
 Edition : 2 Gender : Both
 Major : SWEN Software Engineering

Council Session: Deanship Session : Faculty Session : Dept Session:
 Council Date: Deanship Date: Faculty Date: Dept Date :

Group Type : Compulsory 1

First							
code	course name	H	G	L	H	requisite	Yrl
ENGS 100	English	6				-	-
ARAB 100	Writing Skills	2				-	-
MATH 101	Differential Calculus	3				-	-
CHEM1 01	GENERAL CHEMISTRY (1)	4				-	-
Total							15

Second							
code	course name	H	G	L	H	requisite	Yrl
STAT 101	An Introduction to Probability & Statistics	3				-	-
CT 101	IT Skills	3				-	-
ENT 101	Entrepreneurship	1				-	-
EPH 101	Fitness and Health Education	1				-	-
CI 101	University Skills	3				-	-
ENGS 110	English	6				ENGS 100 - / P	-
Total							17

Third							
code	course name	H	G	L	H	requisite	Yrl
PHYS10 3	GENERAL PHYSICS (1)	4				-	-
MATH10 6	INTEGRAL CALCULUS	3				MATH 101 - / P	-
CSC 111	COMPUTER PROGRAMMING (1)	4				CT 101 - / P	-
MATH15 1	DISCRETE MATHEMATICS	3				MATH 101 - / P	-
Total							14

Fourth							
code	course name	H	G	L	H	requisite	Yrl
PHYS10 4	GENERAL PHYSICS (2)	4				PHYS103 - / P	-
CSC 113	COMPUTER PROGRAMMING -2-	4				CSC 111 - / P	-

Group Type : Compulsory 1

Fourth							
code	course name	H	G	L	H	requisite	Yrl
SWE 211	Introduction to Software Engineering	3				CSC 111 - / P MATH151 - / P	-
MATH24 4	LINEAR ALGEBRA	3				MATH106 - / P	-
CENX30 3	Computer Communications & Networks	3				CSC 111 - / P	-
Total							17

Fifth							
code	course name	H	G	L	H	requisite	Yrl
CSC 212	DATA STRUCTURES	3				CSC 113 - / P	-
CSC 220	Computer Organization	3				CSC 111 - / P	-
SWE 312	Software Requirements Engineering	3				CSC 113 - / P SWE 211 - / P	-
SWE 314	Software Security Engineering	3				CENX303 - / P	-
Total							12

Sixth							
code	course name	H	G	L	H	requisite	Yrl
CSC 227	OPERATING SYSTEMS	3				CSC 212 - / P CSC 220 - / P	-
IS 230	INTRODUCTION TO DATABASE SYSTEMS	3				CSC 212 - / P	-
SWE 321	Software Design & Architecture	3				SWE 312 - / P SWE 314 - / P	-
SWE 333	Software Quality Assurance	2				SWE 312 - / P	-
SWE 381	Web Application Development	3				SWE 211 - / P	-
Total							14

Seventh							
code	course name	H	G	L	H	requisite	Yrl
IC 107	Professional Ethics	2				IC 100 - / NC IC 101 - / NC IC 102 - / NC	-

P : Pre-requisite

G : GPA level

H : Requisite HRS

C : Co- requisite MC : Mandetory Co--requisite NC : None Co- requisite L : Pre-course Level



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Group Type : Compulsory 1

Group Type : Elective 1 (4)

Seventh							
code	course name	H	G	L	H	requisite	Yrl
						IC 103 - / NC IC 104 - / NC IC 105 - / NC IC 106 - / NC IC 108 - / NC IC 109 - / NC QURN 100 - / NC	
SWE 434	Software Testing and Validation	3				SWE 333 - / P	-
SWE 444	Software Construction Laboratory	2				SWE 321 - / P SWE 333 - / P	-
SWE 477	Software Engineering Code of Ethics & Professional Practice	2			95	-	-
SWE 479	Practical Training	1			95	-	-
SWE 482	Human-Computer Interaction	3				SWE 381 - / P	-
SWE 496	Graduation Project I	3			95	SWE 321 - / P	-
Total							16

Eighth							
code	course name	H	G	L	H	requisite	Yrl
IC 108	Current Issues	2				IC 100 - / NC IC 101 - / NC IC 102 - / NC IC 103 - / NC IC 104 - / NC IC 105 - / NC IC 106 - / NC IC 107 - / NC IC 109 - / NC QURN 100 - / NC	-
SWE 455	Software Maintenance and Evolution	2				SWE 434 - / P	-
SWE 466	Software Project Management	3				SWE 333 - / P	-
SWE 497	Graduation Project II	3				SWE 496 - / P	-
Total							10



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Group Type : Elective 1 (4)

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code	course name	H	G	L	H	requisite	Yrl
IC 100	Studies in the prophet biography	2				IC 101 - / NC IC 102 - / NC IC 103 - / NC IC 104 - / NC IC 105 - / NC IC 106 - / NC IC 107 - / NC IC 108 - / NC IC 109 - / NC QURN 100 - / NC	-
QURN 100	Quran Kareem	2				IC 100 - / NC IC 101 - / NC IC 102 - / NC IC 103 - / NC IC 104 - / NC IC 105 - / NC IC 106 - / NC IC 107 - / NC IC 108 - / NC IC 109 - / NC QURN 100 - / NC	-
IC 101	Principles of Islamic Culture	2				IC 100 - / NC IC 102 - / NC IC 103 - / NC IC 104 - / NC IC 105 - / NC IC 106 - / NC IC 107 - / NC IC 108 - / NC IC 109 - / NC QURN 100 - / NC	-
IC 102	Family in Islam	2				IC 100 - / NC IC 101 - / NC IC 103 - / NC IC 104 - / NC IC 105 - / NC IC 106 - / NC IC 107 - / NC IC 108 - / NC IC 109 - / NC QURN 100 - / NC	-
IC 103	Economic System in Islam	2				IC 100 - / NC IC 101 - / NC IC 102 - / NC IC 104 - / NC IC 105 - / NC IC 106 - / NC IC 107 - / NC IC 108 - / NC	-

code	course name	H	G	L	H	requisite	Yrl	
IC 104	Islamic Political System	2				IC 109 - / NC QURN 100 - / NC IC 100 - / NC IC 101 - / NC IC 102 - / NC IC 103 - / NC IC 105 - / NC IC 106 - / NC IC 107 - / NC IC 108 - / NC IC 109 - / NC QURN 100 - / NC	-	
IC 105	Human Rights	2				IC 100 - / NC IC 101 - / NC IC 102 - / NC IC 103 - / NC IC 104 - / NC IC 106 - / NC IC 107 - / NC IC 108 - / NC IC 109 - / NC QURN 100 - / NC	-	
IC 106	Medical Jurisprudence	2				IC 100 - / NC IC 101 - / NC IC 102 - / NC IC 103 - / NC IC 104 - / NC IC 105 - / NC IC 107 - / NC IC 108 - / NC IC 109 - / NC QURN 100 - / NC	-	
IC 109	Development Role of Women	2				IC 100 - / NC IC 101 - / NC IC 102 - / NC IC 103 - / NC IC 104 - / NC IC 105 - / NC IC 106 - / NC IC 107 - / NC IC 108 - / NC QURN 100 - / NC	-	
Total							18	

P : Pre-requisite

G : GPA level

H : Requisite HRS

C: Co- requisite MC : Mandetory Co--requisite NC: None Co- requisite L : Pre-course Level



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Group Type : Elective 1 (6)

Group Type : Elective 2 (3)

code	course name	H	G	L	H	requisite	Yrl
OPER 122	Introduction to Operations Research	3				-	-
MATH20 3	DIFFERENTIAL & INTEGRAL CALCULUS	3				MATH106 - / P	-
MATH25 4	NUMERICAL METHODS	3				MATH244 - / P	-
Total							9

code	course name	H	G	L	H	requisite	Yrl
BCH 101	GENERAL BIOCHEMISTRY	4				-	-
MBI 140	General Microbiology	3				-	-
ZOOL1 45	Biology	3				-	-
EXPL20 1	Principles of Geophysics	3				-	-
PHYS20 1	Mathematical Physics (1)	3				-	-
Total							16



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Group Type : Elective 3 (9)

code	course name	H	G	L	H	requisite	Yrl
CSC 215	Procedural Programming With C	3				CSC 111 - / P	-
CSC 311	DESIGN & ANALYSIS OF ALGORITHMS	3				CSC 212 - / P	-
CENX316	Computer Architecture & Assembly Languages	3				CSC 220 - / P	-
CENX 318	Embedded Systems Design	4				SWE 333 - / P	-
CSC 361	ARTIFICIAL INTELLIGENCE	3				CSC 212 - / P	-
IS 385	Enterprise Resource Planning Systems	3				IS 230 - / P	-
CENX445	NETWORK PROTOCOLS & ALGORITHMS	3				CENX303 - / P	-
CSC 476	Computer Graphics	3				CSC 212 - / P	-
SWE 481	Advanced Web Applications Engineering	3				SWE 312 - / P SWE 381 - / P	-
SWE 483	Mobile Application Development	3				CSC 113 - / P	-
SWE 484	Multimedia Computing	3				SWE 314 - / P	-
SWE 485	Selected Topics in Software Engineering	3			95	-	-
SWE 486	Cloud Computing & Big Data	3				CENX303 - / P IS 230 - / P	-
SWE 488	Complex Systems Engineering	3			95	-	-
Total							43

code	course name	H	G	L	H	requisite	Yrl
CSC 478	Digital Image Processing and Analysis	3				CSC 361 - / P	-
IS 485	Enterprise Resource Planning Systems Lab	3				IS 385 - / P	-
Total							6