



Study Plan

Degree : Bachelor **Faculty :** Computer & Information Sci **Plan Hrs.:** 137
Semester : 332 **Department :** software engineering **Plan Type :** Major
Edition : 1 **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
ENT 101	Entrepreneurship	1				-
MATH140	Introduction to Mathematics	2				-
ENGL140	ENGLISH (1)	8				-
CI 140	LEARNING, THINKING & RESEARCH	3				-
CHS 150	Health & Fitness (2)	1				-
Total						15

Second						
code	course name	H	G	L	H	requisite
CT 140	IT Skills	3				-
MC 140	Communication Skills	2				-
MATH150	Differential Calculus	3				MATH140 - / P
ENGL150	ENGLISH (2)	8				ENGL140 - / P
Total						16

Third						
code	course name	H	G	L	H	requisite
CHEM101	GENERAL CHEMISTRY (1)	4				-
PHYS103	GENERAL PHYSICS (1)	4				-
MATH106	INTEGRAL CALCULUS	3				MATH150 - / P
CSC 111	COMPUTER PROGRAMMING (1)	4				CT 140 - / P
MATH151	DISCRETE MATHEMATICS	3				MATH150 - / P
Total						18

Fourth						
code	course name	H	G	L	H	requisite
PHYS104	GENERAL PHYSICS (2)	4				-
CSC 113	COMPUTER PROGRAMMING -2-	4				CSC 111 - / P

Group Type : Compulsory 1

Fourth						
code	course name	H	G	L	H	requisite
SWE 211	Introduction to Software Engineering	3				CSC 113 - / C MATH151 - / P
CSC 220	Computer Organization	3				CSC 111 - / P
STAT324	ENGINEERING PROBABILITY & STATISTICS	3				-
Total						17

Fifth						
code	course name	H	G	L	H	requisite
IC 107	Professional Ethics	2				IC 100 - / NC IC 101 - / NC IC 102 - / NC IC 103 - / NC IC 104 - / NC IC 105 - / NC IC 106 - / NC IC 108 - / NC IC 109 - / NC QURN 100 - / NC
CSC 212	DATA STRUCTURES	3				CSC 113 - / P
MATH244	LINEAR ALGEBRA	3				MATH106 - / P
SWE 312	Software Requirements Engineering	3				CSC 113 - / P SWE 211 - / P
SWE 381	Web Application Development	3				SWE 211 - / P
Total						14

Sixth						
code	course name	H	G	L	H	requisite
IS 230	INTRODUCTION TO DATABASE SYSTEMS	3				CSC 212 - / P
MATH254	NUMERICAL METHODS	3				MATH244 - / P
CENX303	Computer Communications & Networks	3				STAT324 - / P
SWE 313	Software Process & Modeling	3				IS 230 - / C SWE 211 - / P

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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Sixth						
code	course name	H	G	L	H	requisite
SWE 321	Software Design & Architecture	3				CENX303 - / C CSC 212 - / P SWE 312 - / P
SWE 333	Software Quality Assurance	2				SWE 312 - / P
SWE 999	Practical Training	1			95	-
Total						18

Seventh						
code	course name	H	G	L	H	requisite
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
CSC 227	OPERATING SYSTEMS	3				CSC 212 - / P CSC 220 - / P
SWE 434	Software Testing and Validation	3				SWE 333 - / P
SWE 444	Software Construction Laboratory	2				SWE 313 - / P SWE 333 - / P
SWE 477	Software Engineering Code of Ethics & Professional Practice	2			95	-
SWE 496	Graduation Project I	3			95	-
Total						15

Eighth						
code	course name	H	G	L	H	requisite
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

Group Type : Compulsory 1

Eighth	
Total	8

Category :

Group Type : Elective 1 (4)



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Category :

Category :

Group Type : Elective 1 (4)

Group Type : Elective 1 (4)

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		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	-
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 109 - / NC QURN 100 - / NC	
IC 104	Islamic Political System	2				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



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Category :

Group Type : Elective 1 (9)

code	course name	H	G	L	H	requisite	Yrl
BUS 101	Principles of Management & Business	3				-	-
FIN 200	Principles of Finance	3				ACCT201 - / P	-
ACCT201	Principles of Accounting & Financial Reporting	3				-	-
CSC 215	Procedural Programming With C	3				CSC 111 - / P	-
CENX333	COMPUTER ARCHITECTURE FOR COMPUTER SCIEN	3				CSC 220 - / P	-
IS 335	DATABASE MANAGEMENT SYSTEMS	3				IS 230 - / P	-
CSC 361	ARTIFICIAL INTELLIGENCE	3				CSC 212 - / P	-
IS 385	Enterprise Resource Planning Systems	3				IS 230 - / P	-
IS 432	SEMI-STRUCTURED DATA	3				IS 230 - / P	-
IS 438	Introduction to Data Warehouses	3				IS 335 - / P	-
CENX439	Embedded Systems Design	3				CENX333 - / P	-
CENX444	COMPUTER NETWORKS	3				CENX303 - / P	-
IS 472	E-Health	3				IS 335 - / P SWE 455 - / P	-
CSC 476	Computer Graphics	3				CSC 212 - / P	-
CSC 478	Digital Image Processing and Analysis	3				CSC 361 - / P	-
SWE 481	Advanced Web Applications Engineering	3				SWE 312 - / P SWE 381 - / P	-
IS 482	Electronic Business	3				IS 230 - / P SWE 455 - / P	-
SWE 482	Human-Computer Interaction	3				SWE 312 - / P	-
CSM 484	Information Retrieval	3				IS 335 - / P	-
IS 485	Enterprise Resource Planning Systems Lab	3				IS 385 - / P	-
SWE 485	Selected Topics in Software Engineering	3			95	-	-
SWE	Complex Systems	3			95	-	-

Category :

Group Type : Elective 1 (9)

code	course name	H	G	L	H	requisite	Yrl
488	Engineering						
IS 492	Introduction to Geographic Information Systems (GIS)	3				IS 335 - / P	-
IS 493	Information Security	3				CENX303 - / P	-
Total							72

Category :

Group Type : Elective 1 (3)

code	course name	H	G	L	H	requisite	Yrl
BCH 101	GENERAL BIOCHEMISTRY	4				-	-
OPER 122	Introduction to Operations Research	3				-	-
ZOOL145	GENERAL ZOOLOGY	3				-	-
MATH200	DIFFERENTIAL & INTEGRAL CALCULUS	3				MATH106 - / P	-
Total							13