

Degree Plan for B.Ed. in Computer Science

Minimum No. of Credits for the Degree Plan = 135					
University Requirements = 24 Credits					
Course Code	Course Name	Credit Hours	Contact Hours		Pre-requisites/ Co-requisites
			Theory	Practical	
ARAB100	Arabic Language I	3	3	0	
ARAB101	Arabic Language II	3	3	0	ARAB100
HIST150	Islamic Civilization	3	3	0	
ENGL150	English Language I	3	3	0	
ENGL152	English Language II	3	3	0	ENGL150
ENGL155	Communication Skills	3	3	0	ENGL152
COMP101/L	Computer Skills	3	2	2	COMP-A,COMP-B, Digital Literacy II
MNGT100	Entrepreneurship: Creativity and Innovation	3	3	0	
University Electives = 3 Credits					
Student shall choose from available courses offered by all Colleges of the University					
College Requirements = 16 Credits					
MATH116	Pre-Calculus	4	3	2	
MATH211	Calculus I	4	3	2	MATH116
STAT101	Introduction to Statistics	4	3	2	
COMP151/L	Introduction to Algorithms and Programming	4	3	2	COMP101/L
College Electives = 6 Credits					
Student shall choose from available courses offered by college Departments					
Department Requirements = 41 Credits					
COMP111/L	Digital Logic Design	3	2	2	COMP101/L
COMP221/L	Discrete Structures	3	2	2	COMP151/L, MATH116
COMP222/L	Object oriented Programming	3	2	2	COMP151/L
COMP240/L	Multi-Media System Design	3	2	2	COMP222/L
COMP244/L	Database Concepts and Application	3	2	2	COMP222/L
COMP255/L	Data Structures	3	2	2	COMP222/L
COMP270/L	Web Development	3	2	2	COMP151/L
COMP277/L	Networks and Communications	3	2	2	COMP111/L
COMP300/L	Visual Programming	3	2	2	COMP222/L
COMP344/L	Software Engineering	3	2	2	COMP151/L

Course Code	Course Name	Credit Hours	Contact Hours		Pre-requisites/ Co-requisites
			Theory	Practical	
COMP355/L	Fundamentals of Operating systems	3	2	2	COMP255/L
COMP466/L	Societal Issues in Computing	2	1	2	COMP255/L
COMP498	Project in Computer Sciences - Part I	3	0	0	Section Approval
COMP499	Project in Computer Sciences - Part II	3	0	0	COMP498
(A) Minor in Mathematics =15 Credits					
STAT210	Principles of Probability	3	2	2	STAT101
MATH212	Calculus II	3	2	2	MATH211
MATH145	Linear Algebra	3	2	2	MATH116
MATH228	Mathematics for Teachers I	3	2	2	MATH116
MATH256	Mathematics for Teachers II	3	2	2	MATH228
(B) Minor in Statistics =15 Credits					
STAT381	Inference I	3	2	2	STAT320
STAT212	Sampling Techniques	3	2	2	STAT101
STAT290	Statistical Methods	3	2	2	STAT101
STAT320	Mathematical Statistics	3	2	2	STAT101
STAT210	Principles of Probability	3	2	2	STAT101
Education Requirements = 30 Credits					
EDUC113	أصول التربية Foundation of Education	3	3	0	
EDUC103	علم النفس التربوي Educational Psychology	3	3	0	
EDUC200	المناهج والتدريس Curriculum and Instruction	3	3	0	EDUC 103
EDUC301	طرق التدريس Methods of Teaching	3	3	0	EDUC200
EDUC302	التوجيه والارشاد المدرسي Guidance and School counseling	3	3	0	EDUC 103
EDUC400	القياس النفسي والتقويم التربوي Physiological measurement and educational evaluation	3	2	2	
EDUC402	التربية العملية Practical Education	6	0	0	EDUC 301
EDUC202	تكنولوجيا التعليم Technology of Education	3	2	2	COMP101/L
EDUC204	نظام التعليم وإدارته في دول الخليج العربي Systems of Education and Administration in the Gulf States	3	0	0	