University of Nizwa
College of Arts and Sciences
Department of Mathematical and Physical Sciences
Degree Plan for B.Ed. in Computer Sciences

Total No. of Credits for B.Ed degree in computer science = 135		
University Requirements = 24 Credits		
Course Title	**No. of Credits**	
ARAB100 Arabic Language I	3	
ARAB101 Arabic Language II	3	ARAB100
COMP101 Computer Skills	3	COMP-B - DIGITAL LITERACY II
ENGL 150 English Language I	3	
ENGL 152 English Language II	3	ENGL 150
ENGL 155 Communication Skills	3	
HIST 150 Islamic Civilization	3	
MNGT100 Entrepreneurship: Creativity and Innovation	3	
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	
MATH211 Calculus I	4	MATH116
STAT101 Introduction to Statistics	4	
COMP151 Introduction to Algorithms and Programming	4	COMP101
College Electives = 6 Credits Student shall choose the following course or any other courses from other department		
Department Requirements = 41 credits		
COMP111 Digital Logic Design	3	COMP101
COMP221 Discrete Structures	3	COMP101 and MATH116
COMP222 Object oriented Programming	3	COMP151
COMP240 Multi-Media System Design	3	COMP222
COMP244 Database Concepts and Application	3	COMP222
COMP255 Data Structures	3	COMP222
COMP270 Web Development	3	COMP151
COMP277 Networks and Communications	3	COMP111

COMP300	Visual Programming	3	COMP222
COMP344	Software Engineering	3	COMP151
COMP355	Fundamentals of Operating systems	3	COMP255
COMP466	Societal Issues in Computing	2	COMP255
COMP498	Project in Computer Sciences - Part I	3	Section Approval
COMP499	Project in Computer Sciences - Part II	3	COMP498
(A) Minor in Mathematics =**15**			
STAT210	Principles of Probability	3	STAT101
MATH212	Calculus II	3	MATH211
MATH145	Linear Algebra	3	MATH116
MATH228	Mathematics for Teachers I	3	MATH116
MATH256	Mathematics for Teachers II	3	MATH228
(B) Minor in Statistics =15			
STAT210	Principles of Probability	3	STAT101
STAT212	Sampling Techniques	3	STAT101
STAT290	Statistical Methods	3	STAT101
STAT320	Mathematical Statistics	3	STAT101
STAT381	Inference I	3	STAT320
Education Requirements = 30 Credits			
EDUC 113 Foundation of Education	أصول التربية	3	
EDUC 103 Educational Psychology	علم النفس التربوي	3	
EDUC200 Curriculum and Instruction	المناهج والتدريس	3	EDUC 103
EDUC 301 Methods of Teaching	طرق التدريس	3	EDUC200
EDUC 302 Guidance and School counseling	التوجيه والارشاد المدرسي	3	EDUC 103
EDUC 400 Physiological measurement and educational evaluation	القياس النفسي والتقويم التربوي	3	
EDUC 402 Practical Education	التربية العملية	6	EDUC 301
EDUC 202 Technology of Education	تكنولوجيا التعليم	3	COMP101

نظام التعليم وإدارته في دول الخليج العربي EDUC 204 Systems of Education and Administration in the Gulf States	3	