

Degree Plan for B.Ed. in Chemistry

Minimum No. of Credits for this 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
COMP101/L	Computer Skills	3	2	2	COMP-A,COMP-B, Digital Literacy
ENGL150	English Language I	3	3	0	
ENGL152	English Language II	3	3	0	ENGL150
ENGL155	Communication Skills	3	3	0	ENGL152
HIST150	Islamic Civilization	3	3	0	
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 Electives = 5 Credits					
College Requirements = 12 Credits					
BIOL101/L	General Biology I	4	3	2	
CHEM101/L	General Chemistry I	4	3	2	
MATH116	Pre-calculus	4	3	2	
Major Requirements = 45 Credits					
CHEM102/L	General Chemistry II	4	3	2	CHEM101
CHEM211/L	Inorganic Chemistry I	4	3	2	CHEM102
CHEM241 /L	Analytical Chemistry I	4	3	2	CHEM102
CHEM243	Special Topics	2	2	0	CHEM241
CHEM251 /L	Inorganic Chemistry II	4	3	2	CHEM211
CHEM255 /L	Physical Chemistry I	3	2	2	CHEM102
CHEM265/L	Organic Chemistry I	4	3	2	CHEM102
CHEM275/L	Organic Chemistry II	4	3	2	CHEM265
CHEM327	Industrial Chemistry	3	3	2	CHEM275
CHEM332/L	Physical Chemistry II	3	2	2	CHEM255, PHYS101
CHEM341/L	Analytical Chemistry II	3	2	2	CHEM241
CHEM398	Petroleum Chemistry	3	3	0	CHEM275
PHYS101/L	General Physics I	4	3	2	MATH116

(A) Minor in Biology = 16 Credits					
Course Code	Course Name	Credit Hours	Contact Hours		Pre-requisites
			Theory	Practical	Co-requisites
BIOL102/L	General Biology II	4	3	2	BIOL101
BIOL211/L	Plant Physiology	3	2	2	BIOL102
BIOL220/L	Animal Physiology	3	2	2	BIOL102
BIOL244/L	Introductory Microbiology	3	2	2	BIOL102
CHEM334	Biochemistry	3	2	2	BIOL102,CHEM265
(B) Minor in Statistics = 16 Credits					
STAT101	Introduction to Statistics	4			
STAT212	Sampling Techniques	3			STAT101
STAT266	Computational Techniques in Statistics	3			
STAT352	Demographics & Health Care Statistics	3			STAT101
STAT290	Statistical Methods	3			STAT101
(C) Minor in Physics = 16 Credits					
PHYS150	General Physics II	4			PHYS101
PHYS205	Experimental Methods in Physics	3			PHYS150
PHYS225	Physics for Teachers I	3			PHYS150
PHYS227	Physics for Teachers II	3			PHYS225
PHYS256	Electromagnetism and applications	3			PHYS150, MATH212
(D) Minor in Computer Sciences = 16 Credits					
COMP151	Introduction To Algorithm	3			COMP101
COMP210	Introduction to Computer Programming	4			COMP101
COMP233	Computer Architecture Assembly Language	3			COMP151
COMP244	Data Base Concepts and Applications	3			
COMP277	Networks and Communication	3			COMP101

Education Requirement = 30 Credits					
Course Code	Course Name	Credit Hours	Contact Hours		Pre-requisites
			Theory	Practical	Co-requisites
EDUC103	Educational Psychology	3			
EDUC113	Foundation of Education	3			
EDUC200	Curriculum and Instruction	3			EDUC103
EDUC202	Technology of Teaching	3			COMP101
EDUC301	Methods of Teaching	3			EDUC200
EDUC302	Guidance and School Counseling	3			
EDUC400	Psychological Measurement and Educational Evaluation	3			
EDUC402	Practical Education	6			EDUC301

FOR PHYSICS and computer sciences please refer to HoD of Math and Physics
For education courses please refer to HoD of Education