

BS Biochemistry(Revised)-2018

Code	Course Title	CH	Pre-req	Code	Course Title	CH	Pre-req
SEMESTER 1				SEMESTER 2			
EN-110	English-I	3	----	EN-112	English-II	3	EN-110
PH-105	Biological Physics	3+1	----	MA-101	Calculus	3	----
CS-101	Introduction to Computing	3	----	BC-111	Classical Genetics	3	----
BC-101	Cell Biology	3	----	PH-106	Medical physics	3+1	PH-105
	Social Science Elective-I	3	----	CH-101	Principles of Chemistry-I	3+1	----
Semester Credit Hours		16		Semester Credit Hours		17	
SEMESTER 3				SEMESTER 4			
EN-201	Communication Skills	3	EN-112	MA-150	Probability and Statistics	3	MA-101
BC-202	Carbohydrates and Lipids	3+1	----	SS-171	Pakistan Studies	3	-----
CH-102	Principles of Chemistry-II	3+1	CH-101	BC-211	Amino Acids, Proteins and Nucleic Acids	3+1	----
HM-150	Islamic Studies	3	----	CH-203	Principles of Chemistry-III	3	CH-102
	Social Science Elective-II	3	----	BC-213	Microbiology	3+1	----
Semester Credit Hours		17		Semester Credit Hours		17	
SEMESTER 5				SEMESTER 6			
BC-301	Human Physiology	3	----	BC-311	Analytical Techniques in Biochemistry	3+1	-----
BC-302	Fundamentals of Forensic Sciences	3	-----	BC-312	Bioinformatics	3+1	CS-101
BC-304	Immunology	3	----	BC-313	Metabolism and Bioenergetics	3	-----
BC-306	Enzymology	3	----	BC-314	Clinical Biochemistry	3+1	-----
BC-307	Molecular Biology	3+1	----	BC-315	Environmental Biochemistry	3	----
Semester Credit Hours		16		Semester Credit Hours		18	
SEMESTER 7:				SEMESTER 8:			
BC-401	Nutritional Biochemistry	3+1	----	BC-403	Biosafety and Ethics	3	----
BC-402	Plant Biochemistry	3	----	BC-404	Industrial Biochemistry	3	----
BC-415	Seminar in Biochemistry	1		BC-xxx	Elective-III	3	----
BC-xxx	Elective-I	3	----	BC-xxx	Elective-IV	3	----
BCxxx	Elective-II	3	----	BC-xxx	*Senior Project-II/Elective Course/Internship	3	----
BC-xxx	*Senior Project-I/Elective Course/Internship	3	----	Semester Credit Hours		15	
Semester Credit Hours		17		Total Credit Hours:133			