

Semester	Course Code	Course Name	CH (T+Lab)*
1 18CH	ENG-301	English Composition	03
	IS-301	Islamic Studies	03
	MATH-00103	Compulsory-III (Mathematics (Pre-calculus))	03
	CHEM-03101	General-I (Organic Chemistry)	2+1
	ICT-302	Introduction to Information and Communication Technology/ ICT Skills	03
	BCHM-01101	Foundation-I (Introduction to Biochemistry)	2+1
2 18CH	EDU-302	Critical Thinking and Reasoning	03
	PH-301	Basic Health Awareness	03
	STAT-302	Statistics	03
	CHEM-03203	General-III (Inorganic Chemistry)	2+1
	BCHM-01202	Foundation-II (Carbohydrates & Lipids)	2+1
	BIOL-01304	Foundation-IV (Cell Biology)	2+1
3 18 CH	ENG-401	Communication Skills	03
	CHEM-03305	General-V (Physical Chemistry)	2+1
	BCHM-01303	Foundation-III (Proteins & Nucleic Acids)	2+1
	PS-401	Pakistan Studies	03
	GENT-03306	General-VI (Classical Genetics)	03
	TSAQN-401	Arabic For Understanding Quran	03
4 18 CH	LAW-402	Constitution and Legal System of Pakistan	03
	CHEM-03407	General-VII (Analytical Chemistry & Instrumentation)	2+1
	ES-402	Environment & Agriculture	03
	BCHM-01405	Foundation-V (Enzymology)	2+1
	BCBT-02401	Major-I (Biosafety & Bioethics)	2+1
	PHYS-01406	Foundation-VI (Human Physiology)	03
5	IMMU-02502	Major-II (Immunology)	03

18 CH	MBIO-01507	Foundation-VII (Molecular Biology)	2+1
	BCHM-01508	Foundation-VIII (Metabolism-I)	03
	BCHM-02503	Major-III (Nutritional Biochemistry)	2+1
	BCHM-02504	Major-IV (Plant Biochemistry)	2+1
	MGMT-03408	General-VIII (Entrepreneurship)	03
6 18 CH	BTCH-02606	Major-VI (Biotechnology)	03
	BCHM-01609	Foundation-IX (Metabolism-II)	2+1
	BINF-02607	Major-VII (Bioinformatics)	2+1
	BCHM-02608	Major-VIII (Industrial Biochemistry)	03
	BCHM-01610	Foundation-X (Biochemical Techniques)	2+1
	BCHM-02609	Major-IX (Bioenergetics)	03
7 18 CH	MBIO-02710	Major-X (Methods in Molecular Biology)	2+1
	BCHM-02711	Major-XI (Bio membranes and Cell Signaling)	03
	BCHM-02712	Major-XII (Clinical Biochemistry)	2+1
	BIOL-04701	Elective-I (Cancer Biology)	03
	BCBT-04702	Elective-II (Genomics & Proteomics)	2+1
	BINF-02716	Major-XVI (Essentials of Biological Data Analysis)	2+1
8 14 CH	BCBT-02813	Major-XIII (Research Methodology & Skill Enhancement)	2+1
	VIRL-04803	Elective-III (Virology)	03
	BCHM-04804	Elective-IV (Antimicrobials and Chemotherapeutics)	2+1
	PHAR -02814	Major-XIV (Pharmacology)	03
	CNL-402/ TR-402	Chinese as Foreign Language / Turkish as Foreign Language (Optional)	02
Total	Compulsory: 09; Foundation: 13 ; General: 08 ; Major: 12 ; Elective: 04		139 CH