

BS Biochemistry

Semester	Course Code	Course Title	Credit Hrs	Sections
Semester 1	ENG110	Functional English	3	1
	BC1613	Biophysics	3	1
	QR101	Quantitative Reasoning I	3	1
	CH1102	Inorganic Chemistry	2	1
	CH1101	Inorganic Chemistry – Lab	1	1
	BC1222	Essentials of Biochemistry	2	1
	BC1221	Essentials of Biochemistry- Lab	1	1
	ICT 101	Applications of Information and Communication Technologies	2	1
	ICTL101	Applications of Information and Communication Technologies Lab	1	1
Semester	Course Code	Course Title	Credit Hrs	Sections
Semester 3	PSY101	Introduction to Psychology	2	1
	CCE201	Civics and Community Engagement	2	1
	CH2303	Organic Chemistry	2	1
	CH2301	Organic Chemistry-Lab	1	1
	PAK102	Ideology and Constitution of Pakistan	2	1
	BC2423	Human Physiology	3	1
	BC2352	Amino Acids and Proteins	2	1
	BC2351	Amino Acids and Proteins Lab	1	1
	ENT102	Entrepreneurship		
	QTR101	Quran Translation	2	1
Semester	Course Code	Course Title	Credit Hrs	Sections

Semester 5	BC3632	Cell Biology	2	1
	BC3631	Cell Biology-Lab	1	1
	BC3231	Biochemistry Techniques	1	1
	BC3232	Biochemistry Techniques-Lab	2	1
	BC3013	Biosafety & Ethics	3	1
	BC3543	Molecular Biology	3	1
	BC3252	Clinical Biochemistry	2	1
	BC3251	Clinical Biochemistry-Lab	1	1
	BC3642	General Virology	2	1
	BC3641	General Virology-Lab	1	1
Semester	Course Code	Course Title	Credit Hrs	Sections
Semester 6	BC3553	Cell & Tissue Culture	3	1
	BC3563	Bio-Membranes & Cell Signaling	3	1
	BC3583	Fermentation Biotechnology	3	1
	BC3572	Bioenergetics	2	1
	BC3262	Nutritional Biochemistry	2	1
	BC3261	Nutritional Biochemistry-Lab	1	1
	BC3021	Bioinformatics	1	1
	BC3022	Bioinformatics-Lab	2	1
Semester	Course Code	Course Title	Credit Hrs	Sections
Semester 7	BC4272	Industrial Biochemistry	2	1
	BC4271	Industrial Biochemistry-Lab	1	1
	BC4033	Biotechnology	3	1

Seme	BC4653	Immunology	3	1
	BC4283	Current Trends in Biochemistry	3	1
	BC4903	Research Project I	3	1
Semester	Course Code	Course Title	Credit Hrs	Sections
Semester 8	BC4293	Environmental Biochemistry	3	1
	BC4203	Biochemistry and Entrepreneurship	3	1
	BC4663	Toxicology	3	1
	BC4913	Research Project II	3	1