

**BS Biochemistry****Semester 1**

<b>Course Code</b>	<b>Course Title</b>	<b>Cr. Hrs.</b>	<b>Sections</b>
BCHU1013	English I	3(3-0)	1
BC1333	Inorganic Chemistry	2(2-0)	1
BC1333	Inorganic Chemistry	1(0-1)	1
BCHU1033	Islamic studies	3(3-0)	1
BCCS1013	Introduction to Computer Science	3(3-0)	1
BCHU1043	Social Science I	3(3-0)	1
BC1213	Introduction to Biochemistry	3(3-0)	1

**Semester 2**

<b>Course Code</b>	<b>Course Title</b>	<b>Cr. Hrs.</b>	<b>Sections</b>
BCHU1053	English-II	3(3-0)	1
BCMT1013	Biostatistics	3(3-0)	1
BCHU1063	Social Science II	3(3-0)	1
BCMG1013	Marketing and Management	3(3-0)	1

BC1313	Organic Chemistry	2(2-0)	1
BC1313	Organic Chemistry-Lab	1(0-1)	1
BC1323	Carbohydrates and Lipids	3(3-0)	1

**Semester 3**

Course Code	Course Title	Cr. Hrs.	Sections
BCHU2073	English-III (Writing & Comp)	3(3-0)	1
BCMT2023	Mathematics	3(3-0)	1
BCHU2023	Pakistan Studies	3(3-0)	1
BC2413	Physical Chemistry	3(2-0)	1
BC2413	Physical Chemistry - Lab	3(0-1)	1
BC2343	Amino Acid & Proteins	3(2-0)	1
BC2343	Amino Acid & Proteins - Lab	1(0-1)	1
BC2423	Human Physiology	3(3-0)	1

Course Code	Course Title	Cr. Hrs.	Sections
BIOPHY3013	Biophysics	3(3-0)	1

## Semester 4

GENE4023	Genetics	3(3-0)	1
ENZYME4013	Enzymes	2(2-0)	1
ENZYME4013	Enzymes - Lab	1(0-1)	1
BIOCHE5023	Plant Biochemistry	3(2-0)	1
BIOCHE5023	Plant Biochemistry - Lab	3(0-1)	1
BIOCHE4014	Metabolism	4(4-0)	1
MICRO1013	Microbiology	3(2-0)	1
MICRO1013	Microbiology - Lab	3(0-1)	1

## Semester 5

<b>Course Code</b>	<b>Course Title</b>	<b>Cr. Hrs.</b>	<b>Sections</b>
CELBIO3023	Cell Biology	3(2-0)	1
CELBIO3023	Cell Biology - Lab	3(0-1)	1
BIOCHE5013	Biochemistry Techniques	1(1-0)	1
BIOCHE5013	Biochemistry Techniques - Lab	2(0-2)	1
BIOSAF8012	Biosafety & Ethics	2(2-0)	1
MOLBIO4013	Molecular Biology	3(3-0)	1

BIOCHE5033	Clinical Biochemistry	2(2-1)	1
BIOCHE5033	Clinical Biochemistry - Lab	1(0-1)	1
VIRO8013	General Virology	2(2-1)	1
VIRO8013	General Virology - Lab	1(2-1)	1

**Semester 6**

<b>Course Code</b>	<b>Course Title</b>	<b>Cr. Hrs.</b>	<b>Sections</b>
CTISSU7013	Cell & Tissue Culture	3(3-0)	1
BIOCHE7013	Bio-Membranes & Cell Signaling	3(3-0)	1
BIOENR6012	Bioenergetics	2(2-0)	1
BIOCHE6023	Nutritional Biochemistry	2(2-0)	1
BIOCHE6023	Nutritional Biochemistry - Lab	1(0-1)	1
BIOINF7013	Bioinformatics	2(2-0)	1
BIOINF7013	Bioinformatics - Lab	1(0-1)	1

<b>Course Code</b>	<b>Course Title</b>	<b>Cr. Hrs.</b>	<b>Sections</b>
Bioche7023	Industrial Biochemistry	2(2-0)	1

<b>Semester 7</b>	Bioche7023	Industrial Biochemistry - Lab	1(0-1)	1
	Biotec5023	Introduction to Biotechnology	3(3-0)	1
	Immun5013	Immunology	3(3-0)	1
	Bioche7033	Current Trends in Biochemistry	3(3-0)	1
	BC4903	Research Project I	3N(0-3)	1
<b>Semester 8</b>				
	<b>Course Code</b>	<b>Course Title</b>	<b>Cr. Hrs.</b>	<b>Sections</b>
	EnvBc8013	Environmental Biochemistry	3(3-0)	1
	Biotec8013	Fermentation Biotechnology	3(3-0)	1
	Toxi8013	Toxicology	3(3-0)	1
	Intern8013	Internship (M)	3(0-3)	1
	BC4913	Research Project II	3(0-3)	1

<b>Fall 2021 Timetable Slots</b>							
<b>Semester #</b>	<b>08:00-09:20</b>	<b>09:30-10:50</b>	<b>11:00-12:20</b>	<b>12:30-13:50</b>	<b>14:00-15:20</b>	<b>15:30-16:50</b>	<b>17:00-18:20</b>
Semester 2	English-II (BCHU1053), BSBC, Sec(AC2)	Organic Chemistry (BC1313), BSBC, Sec(AC2)					

<b>MONDAY</b>	Semester 3	English-III (Writing & Comp) (BCHU2073 ), BSBC, Sec(AC3)	Mathematics (BCMT2023 ), BSBC, Sec(AC3)	Human Physiology (BC2423), BSBC, Sec(AC3)				
	Semester 4				Biophysics (BIOPHY3013), BSBC, Sec(AC4)	Genetics (GENE4023), BSBC, Sec(AC4)	Microbiology (MICRO1013), BSBC, Sec(AC4)	
	Semester 5				Cell Biology (CELBIO3023), BSBC, Sec(AC5)	Cell Biology - Lab (CELBIO3023), BSBC, Sec(AC5)	Clinical Biochemistry (BIOCHE5033), BSBC, Sec(AC5)	
	Semester 6				Cell & Tissue Culture (CTISSU7013), BSBC, Sec(AC6)	Bio-Membranes & Cell Signaling (BIOCHE7013), BSBC, Sec(AC6)		
	Semester 7				Industrial Biochemistry (Bioche7023), BSBC, Sec(AC7)	Industrial Biochemistry - Lab (Bioche7023), BSBC, Sec(AC7)	Immunology (Immun5013), BSBC, Sec(AC7)	
	Semester 8					Toxicology (Toxi8013), BSBC, Sec(AC8)	Environmental Biochemistry (EnvBc8013), BSBC, Sec(AC8)	
<b>ESDAY</b>	<b>Semester #</b>	<b>08:00-09:20</b>	<b>09:30-10:50</b>	<b>11:00-12:20</b>	<b>12:30-13:50</b>	<b>14:00-15:20</b>	<b>15:30-16:50</b>	<b>17:00-18:20</b>
	Semester 1	English I (BCHU1013), BSBC, Sec(AC1)	Social Science I (BCHU1043), BSBC, Sec(AC1)	Inorganic Chemistry (BC1333), BSBC, Sec(AC1)				
	Semester 2	Social Science II (BCHU1063), BSBC, Sec(AC2)	Marketing and Management (BCMG1013), BSBC, Sec(AC2)	Carbohydrates and Lipids (BC1323), BSBC, Sec(AC2)				
	Semester 3	Pakistan Studies (BCHU2023 ), BSBC, Sec(AC3)	Physical Chemistry (BC2413), BSBC, Sec(AC3)	Physical Chemistry - Lab (BC2413), BSBC, Sec(AC3)				
	Semester 4			Plant Biochemistry - Lab (BIOCHE5023), BSBC, Sec(AC4)	Plant Biochemistry (BIOCHE5023), BSBC, Sec(AC4)			

TU	Semester 5				Biosafety & Ethics (BIOSAF8012), BSBC, Sec(AC5)	Molecular Biology (MOLBIO4013), BSBC, Sec(AC5)	General Virology (VIRO8013), BSBC, Sec(AC5)	
	Semester 6				Nutritional Biochemistry - Lab (BIOCHE6023), BSBC, Sec(AC6)	Bioinformatics (BIOINF7013), BSBC, Sec(AC6)	Bioinformatics - Lab (BIOINF7013), BSBC, Sec(AC6)	
	Semester 7					Introduction to Biotechnology (Biotec5023), BSBC, Sec(AC7)	Current Trends in Biochemistry (Bioche7033), BSBC, Sec(AC7)	
	Semester 8				Fermentation Biotechnology (Biotec8013), BSBC, Sec(AC8)	Toxicology (Toxi8013), BSBC, Sec(AC8)		
WEDNESDAY	<b>Semester #</b>	<b>08:00-09:20</b>	<b>09:30-10:50</b>	<b>11:00-12:20</b>	<b>12:30-13:50</b>	<b>14:00-15:20</b>	<b>15:30-16:50</b>	<b>17:00-18:20</b>
	Semester 1	Islamic studies (BCHU1033), BSBC, Sec(AC1)	Introduction to Computer Science (BCCS1013), BSBC, Sec(AC1)	Introduction to Biochemistry (BC1213), BSBC, Sec(AC1)				
	Semester 2	English-II (BCHU1053), BSBC, Sec(AC2)	Organic Chemistry (BC1313), BSBC, Sec(AC2)	Biostatistics (BCMT1013), BSBC, Sec(AC2)				
	Semester 3	English-III (Writing & Comp) (BCHU2073), BSBC, Sec(AC3)	Mathematics (BCMT2023), BSBC, Sec(AC3)	Human Physiology (BC2423), BSBC, Sec(AC3)				
	Semester 4			Enzymes (ENZYME4013), BSBC, Sec(AC4)	Genetics (GENE4023), BSBC, Sec(AC4)	Microbiology (MICRO1013), BSBC, Sec(AC4)		
	Semester 5				Biochemistry Techniques (BIOCHE5013), BSBC, Sec(AC5)	Clinical Biochemistry (BIOCHE5033), BSBC, Sec(AC5)	Clinical Biochemistry - Lab (BIOCHE5033), BSBC, Sec(AC5)	
	Semester 6			Bioenergetics (BIOENR6012), BSBC, Sec(AC6)	Bio-Membranes & Cell Signaling (BIOCHE7013), BSBC, Sec(AC6)			

	Semester 7				Industrial Biochemistry (Bioche7023), BSBC, Sec(AC7)	Immunology (Immun5013), BSBC, Sec(AC7)		
	Semester 8				Environmental Biochemistry (EnvBc8013), BSBC, Sec(AC8)	Fermentation Biotechnology (Biotec8013), BSBC, Sec(AC8)		
THURSDAY	<b>Semester #</b>	<b>08:00-09:20</b>	<b>09:30-10:50</b>	<b>11:00-12:20</b>	<b>12:30-13:50</b>	<b>14:00-15:20</b>	<b>15:30-16:50</b>	<b>17:00-18:20</b>
	Semester 1	English I (BCHU1013), BSBC, Sec(AC1)	Social Science I (BCHU1043), BSBC, Sec(AC1)	Introduction to Biochemistry (BC1213), BSBC, Sec(AC1)				
	Semester 2	Organic Chemistry-Lab (BC1313), BSBC, Sec(AC2)	Carbohydrates and Lipids (BC1323), BSBC, Sec(AC2)					
	Semester 3	Amino Acid & Proteins (BC2343), BSBC, Sec(AC3)	Amino Acid & Proteins - Lab (BC2343), BSBC, Sec(AC3)					
	Semester 4		Microbiology - Lab (MICRO1013), BSBC, Sec(AC4)	Biophysics (BIOPHY3013), BSBC, Sec(AC4)	Plant Biochemistry (BIOCHE5023), BSBC, Sec(AC4)			
	Semester 5			Cell Biology (CEL BIO3023), BSBC, Sec(AC5)	Biosafety & Ethics (BIOSAF8012), BSBC, Sec(AC5)	General Virology - Lab (VIRO8013), BSBC, Sec(AC5)	General Virology (VIRO8013), BSBC, Sec(AC5)	
	Semester 6		Nutritional Biochemistry - Lab (BIOCHE6023), BSBC, Sec(AC6)		Cell & Tissue Culture (CTISSU7013), BSBC, Sec(AC6)	Nutritional Biochemistry (BIOCHE6023), BSBC, Sec(AC6)		
	Semester 7				Introduction to Biotechnology (Biotec5023), BSBC, Sec(AC7)	Current Trends in Biochemistry (Bioche7033), BSBC, Sec(AC7)		
	<b>Semester #</b>	<b>08:00-09:20</b>	<b>09:30-10:50</b>	<b>11:00-12:20</b>	<b>12:30-13:50</b>	<b>14:00-15:20</b>	<b>15:30-16:50</b>	<b>17:00-18:20</b>
	Semester 1	Islamic studies (BCHU1033), BSBC, Sec(AC1)	Introduction to Computer Science (BCCS1013), BSBC, Sec(AC1)	Inorganic Chemistry (BC1333), BSBC, Sec(AC1)	Juma Break			



FRIDAY	Semester 2	Social Science II (BCHU1063), BSBC, Sec(AC2)	Marketing and Management (BCMG1013), BSBC, Sec(AC2)	Biostatistics (BCMT1013), BSBC, Sec(AC2)	Juma Break			
	Semester 3	Pakistan Studies (BCHU2023 ), BSBC, Sec(AC3)	Physical Chemistry (BC2413), BSBC, Sec(AC3)		Juma Break			
	Semester 4		Enzymes - Lab (ENZYME4013), BSBC, Sec(AC4)	Enzymes (ENZYME4013), BSBC, Sec(AC4)	Juma Break			
	Semester 5		Biochemistry Techniques - Lab (BIOCHE5013), BSBC, Sec(AC5)	Biochemistry Techniques (BIOCHE5013), BSBC, Sec(AC5)	Juma Break	Molecular Biology (MOLBIO4013), BSBC, Sec(AC5)		
	Semester 6				Juma Break	Bioinformatics (BIOINF7013), BSBC, Sec(AC6)	Bioenergetics (BIOENR6012), BSBC, Sec(AC6)	