

Course Offering

Semester: Fall 2024

Program: BS Biochemistry/ BioSciences/ BioTech/ MicroBio

S.#	Code	Course Title	Status	Section	Pre-Req.	Co-Req.	Semester	Remarks
1.	BBCG1113 BBTG1113 BMBG1113	Functional English	General Education	1	Nil	Nil	1	Shared Biochemistry / Biotech/ Microbiology
2.	BS1113	Cell Biology	Major	1	Nil	BS1111	1	Shared Biochemistry / Biotech/ Microbiology
3.	BS1111	Cell Biology Lab	Major	2	Nil	BS1113	1	Shared Biochemistry / Biotech/ Microbiology
4.	BBCG1593 BBTG1593 BMBG1593	Basic Mathematics	General Education	1	Nil	Nil	1	Shared Biochemistry / Biotech/ Microbiology
5.	BBCG1612 BBTG1612 BMBG1612	Applications of Information and Communication Technologies	General Education	1	Nil	BBTG1611	1	Shared Biochemistry / Biotech/ Microbiology
6.	BBCG1611 BBTG1611 BMBG1611	Applications of Information and Communication	General Education	1	Nil	BBTG1612	1	Shared Biochemistry / Biotech/

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		Technologies Lab						Microbiology
7.	BBCG1412 BBTG1412 BMBG1412	Sociology	General Education	1	Nil	Nil	1	Shared Biochemistry / Biotech/ Microbiology
8.	BBTG1012 BBCG1012 BMBG1012	Islamic Studies/Ethics	General Education	1	Nil	Nil	1	Shared Biochemistry / Biotech/ Microbiology
9.	BBTG1010	Taleem ul Quran	General Education	1	Nil	Nil	1	Shared Biochemistry / Biotech/ Microbiology
10.	BBCG1123 BBTG1123 BMBG1123	Expository Writing	General Education	1	BBTG1113	Nil	2	Shared Biochemistry / Biotech/ Microbiology
11.	BBCG1563 BBTG1563 BMBG1563	Statistics	General Education	1	Nil	Nil	2	Shared Biochemistry / Biotech/ Microbiology
12.	BBCG1022 BBTG1022 BMBG1022	Ideology and Constitution of Pakistan	General Education	1	Nil	Nil	2	Shared Biochemistry / Biotech/ Microbiology
13.	BBCG1322 BBTG1322 BMBG1322	Chemistry	General Education	1	BBTG1313	Nil	2	Shared Biochemistry / Biotech/

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								Microbiology
14.	BBCG1321 BBTG1321 BMBG1321	Chemistry Lab	General Education	1	Nil	Nil	2	Shared Biochemistry / Biotech/ Microbiology
15.	BS1143	Introduction to Microbiology	Major	1	BS1113	Nil	2	Shared Biochemistry / Biotech/ Microbiology
16.	BS1141	Introduction to Microbiology Lab	Major	1	Nil	Nil	2	Shared Biochemistry / Biotech/ Microbiology
17.	BS1433	Introduction to Genetics	Major	1	BS1113	Nil	2	Shared Biochemistry / Biotech/ Microbiology
18.	BBCG1132 BBTG1132 BMBG1132	English Literature	General Education	1	Nil	Nil	3	Shared Biochemistry / Biotech/ Microbiology
19.	BS2223	Biochemistry	Major	1	Nil	Nil	3	Shared Biochemistry / Biotech/ Microbiology
20.	BS2221	Biochemistry Lab	Major	2	Nil	Nil	3	Shared Biochemistry / Biotech/

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								Microbiology
21.	BS1153	Introduction to Immunology	Major	1	Nil	Nil	3	Shared Biochemistry / Biotech/ Microbiology
22.	BS1151	Introduction to Immunology Lab	Major	2	Nil	Nil	3	Shared Biochemistry / Biotech/ Microbiology
23.	CSBS2413	Programming for Biologist	Allied Courses	1	Nil	Nil	3	Shared Biochemistry / Biotech/ Microbiology
24.	BS2143	Biophysics	Major	1	Nil	Nil	3	Shared Biochemistry / Biotech/ Microbiology
25.	BBTG2712	Entrepreneurship	General Education	1	Nil	Nil	3	Shared Biochemistry / Biotech/ Microbiology
26.	BS2223	Biochemistry	Major	1	Nil	Nil	4	Shared Biochemistry / Biotech/ Microbiology
27.	BS2221	Biochemistry Lab	Major	1	Nil	Nil	4	Shared Biochemistry / Biotech/

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								Microbiology
28.	BS2423	Molecular Genetics	Major	1	Nil	Nil	4	Shared Biochemistry / Biotech/ Microbiology
29.	BS2421	Molecular Genetics Lab	Major	1	Nil	Nil	4	Shared Biochemistry / Biotech/ Microbiology
30.	ACBS2003	Accounting-I	Distribution	1	Nil	Nil	4	Shared Biochemistry / Biotech/ Microbiology
31.	BS3823	Bioethics and Biosafety	Distribution	1	Nil	Nil	4	Shared Biochemistry / Biotech/ Microbiology
32.	BS2713	Introduction to Bioinformatics	Major	1	Nil	Nil	4	Shared Biochemistry / Biotech/ Microbiology
33.	BS2711	Introduction to Bioinformatics Lab	Major	1	Nil	Nil	4	Shared Biochemistry / Biotech/ Microbiology
34.	BS2713	Introduction to Bioinformatics	Major	1	Nil	Nil	5	Shared Biochemistry / Biotech/

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								Microbiology
35.	BS2711	Introduction to Bioinformatics Lab	Major	1	Nil	Nil	5	Shared Biochemistry / Biotech/ Microbiology
36.	BS2213	Chemistry	Major	1	Nil	Nil	5	Shared Biochemistry / Biotech/ Microbiology
37.	CSBS2413	Programming for Biologist	Distribution	1	Nil	Nil	5	Shared Biochemistry / Biotech/ Microbiology
38.	BT4453	Genetic Engineering	Major	1	Nil	Nil	5	Shared with Biotechnology/ Microbiology
39.	BS2153	Animal and Plant Physiology	Major	1	Nil	Nil	5	Shared with Biotechnology/ Biochemistry
40.	BC3133	Enzymology	Major	1	Nil	Nil	5	Shared Biochemistry / Biotech/ Microbiology
41.	BC3413	Nutritional Biochemistry	Major	1	Nil	Nil	5	Shared Biochemistry / Biotech/ Microbiology
42.	BC3411	Nutritional	Major	1	Nil	Nil	5	Shared with

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		Biochemistry Lab						Biochemistry
43.	MB3413	Microbial genetics	Major	1	Nil	Nil	5	Shared Biochemistry / Biotech/ Microbiology
44.	MB4333	Food Microbiology	Major	1	Nil	Nil	5	Shared Biochemistry / Biotech/ Microbiology
45.	BS2153	Animal and Plant Physiology	Major	1	Nil	Nil	6	Shared Biotechnology/ Biosciences
46.	BT4453	Genetic Engineering	Major	1	Nil	Nil	6	Shared Biotechnology/ Microbiology
47.	MB3413	Microbial genetics	Major	1	Nil	Nil	6	Shared Biosciences / Biotech/ Microbiology
48.	MB4333	Food Microbiology	Major	1	Nil	Nil	6	Shared Biosciences / Biotech/ Microbiology
49.	BS3173	Evolutionary Biology	Major	1	Nil	Nil	6	Shared Biosciences / Biotech/ Microbiology
50.	BS3183	Endocrinology	Major	1	Nil	Nil	6	Shared

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								Biosciences/ Biotech/ Microbiology
51.	BS4523	Functional Genomics	Distribution	1	Nil	Nil	6	Shared Biosciences / Biotech/ Microbiology
52.	BS2143	Biophysics	Major	1	Nil	Nil	6	Shared Bioscience / Biotech/ Microbiology
53.	CSBS4623	Artificial Intelligence in Biological Sciences	Distribution	1	Nil	Nil	6	Shared Biotechnology/ Microbiology/ Biosciences
54.	BT4873	Environmental Biotechnology	Major	1	Nil	Nil	7	Shared Biosciences/ Biotech/ Microbiology
55.	BT3733	Industrial Biotechnology	Major	1	Nil	Nil	7	Shared Biosciences/ Biotech/ Microbiology
56.	MB3413	Microbial genetics	Major	1	Nil	Nil	7	Shared Biosciences/ Biotech/ Microbiology
57.	MB4333	Food	Major	1	Nil	Nil	7	Shared

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		Microbiology						Biosciences/ Biotech/ Microbiology
58.	BS3173	Evolutionary Biology	Major	1	Nil	Nil	7	Shared Biosciences/ Biotech/ Microbiology
59.	BS3183	Endocrinology	Major	1	Nil	Nil	7	Shared Biosciences/ Biotech/ Microbiology
60.	BS3823	Bioethics and Biosafety	Distribution	1	Nil	Nil	7	Shared with Biotechnology/ Microbiology/ Biosciences
61.	MB3683	Infection And pathogenicity	Elective	1	Nil	Nil	7	Shared with Biotechnology/ Microbiology/ Biosciences
62.	BS3523	Water and Waste water Treatment	Elective	2	Nil	Nil	7	Shared with Biotechnology/ Microbiology/ Biosciences
63.	BS4912	Project (Part-I)	Required	1	Nil	Nil	7	Shared with Biotechnology/ Microbiology/ Biosciences
64.	BC3133	Enzymology	Major	1	Nil	Nil	7	Shared with

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								Biotechnology/ Microbiology/ Biosciences
65.	BC3413	Nutritional Biochemistry	Major	1	Nil	Nil	7	Shared with Biotechnology/ Microbiology/ Biosciences
66.	BT4873	Environmental Biotechnology	Core	1	Nil	Nil	8	Shared with Biotechnology/ Microbiology/ Biosciences
64.	MB3413	Microbial genetics	Core	1	Nil	Nil	8	Shared with Biotechnology/ Microbiology/ Biosciences
65.	MB4333	Food Microbiology	Core	1	Nil	Nil	8	Shared with Biotechnology/ Microbiology/ Biosciences
66	BS3173	Evolutionary Biology	Core	1	Nil	Nil	8	Shared with Biotechnology/ Microbiology/ Biosciences
67	BS3183	Endocrinology	Core	1	Nil	Nil	8	Shared with Biotechnology/ Microbiology/ Biosciences

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								Biosciences
68	BS3823	Bioethics and Biosafety	Core	1	Nil	Nil	8	Shared Biotechnology/ Microbiology/ Biosciences
69	MB3683	Infection And pathogenicity	Elective	1	Nil	Nil	8	Shared with Biotechnology/ Microbiology/ Biosciences
70	BT3733	Industrial Biotechnology	Elective	1	Nil	Nil	8	Shared with Biotechnology/ Microbiology/ Biosciences
71	BS3523	Water and Waste water Treatment	Elective	1	Nil	Nil	8	Shared with Biotechnology/ Microbiology/ Biosciences
71	MGBS4003	Introduction To Management	Elective	1	Nil	Nil	8	Shared with Biotechnology/ Microbiology/ Biosciences
72	BC3133	Enzymology	Major	1	Nil	Nil	8	Shared with Biotechnology/

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								Microbiology/ Biosciences
73	BC3413	Nutritional Biochemistry	Major	1	Nil	Nil	8	Shared with Biotechnology/ Microbiology/ Biosciences
74	BS4924	Project (Part II)	Required	1	Nil	Nil	8	Shared with Biotechnology/ Microbiology/ Biosciences.
75	BI5633	Advanced Molecular Genetics	Core	0	Nil	Nil	Nil	MS/ PhD
76	BI5733	Applied Biotechnology	Core	0	Nil	Nil	Nil	MS/ PhD
77	BI6433	Human Microbiome	Elective	0	Nil	Nil	Nil	MS/ PhD
78	BI6513	Epigenetics	Elective	0	Nil	Nil	Nil	MS/ PhD