

Course Offering
Semester: Spring 2020
Program: BS Bioinformatics/ BioSciences/ BioTech/ MicroBio

S.#	Code	Course Title	Status	Section	Pre-Req.	Co-Req.	Semester	Remarks
1.	BS1113	Cell Biology	Core	1	Nil	Nil	1	Shared with Biosciences/ Biotech/ Microbiology
2.	BS1111	Cell Biology Lab	Core	1	Nil	BI1113	1	Shared with Biosciences/ Biotech/ Microbiology.
3.	CSBS1133	Introduction to Programming	Required	1	Nil	Nil	1	Shared with Biosciences/ Biotech/ Microbiology
4.	CSBS1131	Introduction to Programming Lab	Required	1	Nil	CSBI1133	1	Shared with Biosciences/ Biotech/ Microbiology
5.	HMBS1002	Pakistan Studies	Humanity	1	Nil	Nil	1	Shared with Biosciences/ Biotech/ Microbiology
6.	HMBS1013	English-I	English	1	Nil	Nil	1	Shared with Biosciences/ Biotech/ Microbiology
7.	MTBS1003	Basic Mathematics	Required	1	Nil	Nil	1	Shared with Biosciences/ Biotech/ Microbiology.
8.	MTBS1013	Calculus-I	Required	2	MTBI1003	Nil	2	Shared Biosciences/ Biotech/ Microbiology
9.	BS2213	Chemistry	Required	2	Nil	Nil	2	Shared with Biosciences/ Biotech/ Microbiology
10.	HMBS1023	English-II	English	2	HMBS1013	Nil	2	Shared with Biosciences/ Biotech/ Microbiology
11.	HMBS1012	Islamic Studies / Ethics	Humanity	2	Nil	Nil	2	Shared with Biosciences/ Biotech/ Microbiology
12.	BS1143	Introduction to Microbiology	Core	2	BS1113	Nil	2	Shared with Biosciences/ Biotech/ Microbiology
13.	BS1141	Introduction to Microbiology Lab	Core	2	BS1111	BS1143	2	Shared with Biosciences/ Biotech/ Microbiology
14.	BS2423	Molecular Genetics	Core	3	BS1113	Nil	2	Share with Biosciences Biotechnology and Microbiology
15.	BS2421	Molecular Genetics Lab	Core	3	BS1111	BS2423	2	Share with Biosciences Biotechnology and Microbiology
16.	BS2423	Molecular Genetics	Core	3	BS1113	Nil	3	Share with Biosciences Biotechnology and Microbiology
17.	BS2421	Molecular Genetics Lab	Core	6	BS1111	BS2423	3	Share with Biosciences Biotechnology and Microbiology

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18.	BS1143	Introduction to Microbiology	Core	2	BS1113	Nil	3	Share with Biosciences Biotechnology and Microbiology
19.	BS1141	Introduction to Microbiology Lab	Core	2	BS1111	BS1143	3	Share with Biosciences Biotechnology and Microbiology
20.	BS2213	Chemistry	Required	2	Nil	Nil	3	Share with Biosciences Biotechnology and Microbiology
21.	HMBS2033	Technical Report Writing	English	1	HMBI1013	Nil	3	Shared with Biosciences/Biotechnology and Microbiology
22.	HMBS1033	Personal Management and Grooming	Humanity	2	Nil	Nil	3	Shared with Biosciences/Biotechnology and Microbiology/ Bioinformatics
23.	BS3813	Introduction to Biotechnology	Core	2	Nil	Nil	4	Shared with Biosciences/Biotechnology and Microbiology
24.	BS3513	Protein Chemistry	Core	2	Nil	Nil	4	Shared with Biosciences/Biotechnology and Microbiology
25.	BS2123	General Ecology	Core	1	Nil	Nil	4	Shared with Biosciences/Microbiology/ Biotechnology
26.	BS3183	Endocrinology	Core	1	Nil	Nil	4	Shared with Biosciences/Biotechnology/ Bioinformatics
27.	HMBS1033	Personal Management and Grooming	Core	2	Nil	Nil	4	Shared with Biosciences/Biotechnology and Microbiology/ Bioinformatics
28.	BT3843	Health Biotechnology	Core	2	Nil	Nil	4	Shared with Biosciences/Biotechnology
29.	BT3733	Industrial Biotechnology	Core	2	Nil	Nil	4	Shared with Biotechnology and Microbiology/
30.	MB3413	Microbial Genetics	Core	2	Nil	Nil	4	Shared with Biosciences/Microbiology /Biotechnology
31.	MB3353	Mycology	Core	1	Nil	Nil	4	Shared with Biotechnology and Microbiology
32.	MTBS2033	Statistical Methods in Biology	Required	1	Nil	Nil	4	Shared with Biosciences/Biotechnology and Microbiology/ Bioinformatics
33.	BS3813	Introduction to Biotechnology	Core	2	Nil	Nil	5	Shared with Biosciences/Biotechnology and Microbiology

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34.	BS3513	Protein Chemistry	Core	2	Nil	Nil	5	Shared with Biosciences/Biotechnology and Microbiology
35.	BS2123	General Ecology	Core	1	Nil	Nil	5	Shared with Biosciences/Microbiology/ Biotechnology
36.	BS3183	Endocrinology	Core	1	Nil	Nil	5	Shared with Biosciences/Biotechnology and Microbiology/Bioinformatics
37.	HMBS1033	Personal Management and Grooming	Humanities	2	Nil	Nil	5	Shared with Biosciences/Biotechnology and Microbiology/ Bioinformatics
38.	BT3843	Health Biotechnology	Core	2	Nil	Nil	5	Shared with Biosciences/Biotechnology
39.	BT3733	Industrial Biotechnology	Core	2	Nil	Nil	5	Shared with Biotechnology and Microbiology/
40.	MB3353	Mycology	Core	1	Nil	Nil	5	Shared with Biotechnology and Microbiology
41.	MB3413	Microbial Genetics	Core	2	Nil	Nil	5	Shared with Biosciences/Microbiology /Biotechnology
42.	BS3823	Bioethics and Biosafety	Core	1	Nil	Nil	6	Shared with Biosciences/Biotechnology and Microbiology/Bioinformatics
43.	BS2123	General Ecology	Core	1	Nil	Nil	6	Shared with Biosciences/Microbiology/ Biotechnology
44.	BS3183	Endocrinology	Core	1	Nil	Nil	6	Shared with Biosciences/Biotechnology/ Bioinformatics
45.	MB3413	Microbial Genetics	Core	2	Nil	Nil	6	Shared with Biosciences/Microbiology /Biotechnology
46.	BT3843	Health biotechnology	Core	2	Nil	Nil	6	Shared with Biosciences/Bioinformatics
47.	HMBS1033	Personal Management and Grooming	Humanities	2	Nil	Nil	6	Shared with Biosciences/Biotechnology and Microbiology/Bioinformatics
48.	BT3733	Industrial Biotechnology	Core	2	Nil	Nil	6	Shared with Biotechnology and Microbiology/
49.	MB3353	Mycology	Core	1	Nil	Nil	6	Shared with Biotechnology and Microbiology
50.	BS3513	Protein Chemistry	Core	2	Nil	Nil	7	Shared with Biosciences/Biotechnology and Microbiology

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51.	BS242	Molecular Genetics	Core	3	BS1113	Nil	7	Shared with Biosciences/Bioinformatics
52.	BS2421	Molecular Genetics Lab	Core	3	BS1111	BS2423	7	Shared with Biosciences/Bioinformatics
53.	BS3823	Bioethics and Biosafety	Core	1	Nil	Nil	7	Shared with Biosciences/ Bioinformatics
54.	BT3843	Health Biotechnology	Elective	2	Nil	Nil	7	Shared with Biosciences
55.	BS3183	Endocrinology	Core	1	Nil	Nil	7	Shared with Bioinformatics
56.	ACBS2003	Accounting-I	Required	1	Nil	Nil	7	Shared with Biosciences, Bioinformatics
57.	BS4912	Project (Part-I)	Required	1	Nil	Nil	7	Shared with Biosciences, Bioinformatics
58.	BS3183	Endocrinology	Core	1	Nil	Nil	8	Shared with Bioinformatics
59.	BS3823	Bioethics and Biosafety	Core	1	Nil	Nil	8	Shared with Bioinformatics
60.	MB3413	Microbial Genetics	Elective	2	BI1113	Nil	8	Shared with Biosciences
61.	BT3843	Health Biotechnology	Elective	2	Nil	Nil	8	Shared with Biosciences
62.	ACBS2003	Accounting-I	Required	1	Nil	Nil	8	Shared with Bioinformatics Biosciences
63.	BS4924	Project (Part-II)	Required	1	BI4912	Nil	8	Shared with Bioinformatics/ Biosciences