

Course Offering
Semester: Spring 2021

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 BS,BT,MB
2.	BS1111	Cell Biology Lab	Core	1	Nil	BI1113	1	Shared with BS,BT,MB
3.	CSBS1133	Introduction to Programming	Required	1	Nil	Nil	1	Shared with BS,BT,MB
4.	CS1131	Introduction to Programming Lab	Required	1	Nil	CSBS1133	1	Shared with BS,BT,MB
5.	HMBS1002	Pakistan Studies	Humanity	1	Nil	Nil	1	Shared with BS,BT,MB
6.	HMBS1013	English-I	English	1	Nil	Nil	1	Shared with BS,BT,MB
7.	MTBS1003	Basic Mathematics	Required	1	Nil	Nil	1	Shared with BS,BT,MB
8.	MTBS1013	Calculus-I	Required	2	MTBS1003	Nil	2	Shared with BS,BT,MB
9.	BS2213	Chemistry	Required	2	Nil	Nil	2	Shared with BS,BT,MB
10.	HMBS1023	English-II	English	2	HMBS1013	Nil	2	Shared with BS,BT,MB
11.	HMBS1012	Islamic Studies / Ethics	Humanity	2	Nil	Nil	2	Shared with BS,BT,MB
12.	BS1143	Introduction to Microbiology	Core	2	BS1113	Nil	2	Shared with BS,BT,MB
13.	BS1141	Introduction to Microbiology Lab	Core	2	BS1111	BI1133	2	Shared with BS,BT,MB
14.	BS2423	Molecular Genetics	Core	2	BS1113	Nil	2	Shared with BS,BT,MB
15.	BS2423	Molecular Genetics Lab	Core	2	Nil	Nil	2	Shared with BS,BT,MB
16.	BS2423	Molecular Genetics	Core	2	Nil	Nil	3	Shared with BS,BT,MB
17.	BS2423	Molecular Genetics Lab	Core	2	BS1113	Nil	3	Shared with BS,BT,MB
18.	BS1143	Introduction to Microbiology	Core	2	BS1113	Nil	3	Shared with BS,BT,MB
19.	BS1141	Introduction to Microbiology Lab	Core	2	BS1111	BI1133	3	Shared with BS,BT,MB

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20.	BS2213	Chemistry	Required	2	Nil	Nil	3	Shared with BS,BT,MB
21.	HMBS2033	Technical Report Writing	English	1	HMBS1013	Nil	3	Shared with BS,BT,MB
22.	HMBS1033	Personal Management and Grooming	Humanity-II	2	Nil	Nil	3	Shared with BS,BT,MB
23.	BS3813	Intro to Biotechnology	Core	2	Nil	Nil	4	Shared with BS,BT,MB
24.	BS3513	Protein Chemistry	Core	2	Nil	Nil	4	Shared with BS,BT,MB
25.	MB2323/BS2123	Microbial Ecology/ General Ecology	Core	1	Nil	Nil	4	Shared with BS,MB
26.	BT3843	Health Biotechnology	Core	1	Nil	Nil	4	Shared with BS,BT
27.	MTBS2033	Statistical Methods in Biology	Required	2	Nil	Nil	4	Shared with BS,MB
28.	HMBS2053	Introduction to Psychology	Humanity-I	2	Nil	Nil	4	Shared with BS,BT,MB
29.	BS3513	Protein Chemistry	Core	2	Nil	Nil	5	Shared with BS,BT,MB
30.	BS3813	Introduction to Biotechnology	Core	2	BS1113	Nil	5	Shared with BS,BT,MB
31.	MB2323/BS2123	Microbial Ecology/ General Ecology	Core	1	Nil	Nil	5	Shared with BS,MB
32.	BT3853	Agriculture Biotechnology	Core	2	Nil	Nil	5	Shared with BS,BT
33.	BS2173	Biodiversity and Conservation	Core	1	Nil	Nil	5	Shared with BS,BT
34.	BT3853	Health Biotechnology	Core	1	Nil	Nil	5	Shared with BS,BT,MB
35.	HMBS2053	Introduction to Psychology	Humanity-I	1	Nil	Nil	5	Shared with BS,BT,MB
36.	MB3333	Virology	Core	1	Nil	Nil	5	Shared with MB
37.	BS3173	Evolutionary Biology	Core	2	Nil	Nil	6	Shared with BS,BT
38.	BS3193	Biosystematics and Classification	Core	1	Nil	Nil	6	Shared with BS,BT,MB
39.	BS3823	Bio-Ethics and Bio-Safety	Core	2	BS2423	Nil	6	Shared with BS,BT,MB
40.	BT3853	Agriculture Biotechnology	Core	1	Nil	Nil	6	Shared with BS,BT
41.	BT4453	Genetic Engineering	Core	1	Nil	Nil	6	Shared with BS,BT,MB
42.	MB2323/BS2123	Microbial Ecology/ General Ecology	Core	1	Nil	Nil	6	Shared with MB

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43.	MB3333	Virology	Core	1	Nil	Nil	6	Shared with BT,MB
44.	BS3823	Bio-Ethics and Bio-Safety	Core	2	BS2423	Nil	7	Shared with BS,BT,MB
45.	BS3173	Evolutionary Biology	Core	2	Nil	Nil	7	Shared with BS,BT
46.	BS3193	Biosystematics and Classification	Core	1	Nil	Nil	7	Shared with BS,BT,MB
47.	MB4323	Soil Microbiology	Core	1	Nil	Nil	7	Shared with BT,MB
48.	BT4453	Genetic Engineering	Core	1	Nil	Nil	7	Shared with BS,BT,MB
49.	ACBS2003	Accounting-I	Required	1	Nil	Nil	7	Shared with BS,BT,MB
50.	BS4912	Project (Part-I)	Required	1	Nil	Nil	7	Shared with BS,BT,MB
51.	MB4323	Soil Microbiology	Core	2	Nil	Nil	8	Shared with BT,MB
52.	BS3193	Biosystematics and Classification	Core	1	Nil	Nil	8	Shared with BS,MB
53.	ACBS2003	Accounting-I	Required	1	Nil	Nil	8	Shared with BS,BT,MB
54.	BS4924	Project (Part-II)	Required	1	BS4912	Nil	8	Shared with BS,BT,MB
55.	BS3173	Evolutionary Biology	Core	2	Nil	Nil	8	Shared with BS,BT
56.	BI5753	Advanced Bioinformatics	Core	1	Nil	Nil	Any	Shared with MS Biosciences
57.	BI5193	Advanced Microbiology and Immunology	Core	1	Nil	Nil	Any	Shared with MS Biosciences
58.	BI5843	Bioremediation and Biodegradation	Elective	1	Nil	Nil	Any	Shared with MS Biosciences
59.	BI5163	Advanced Forensic Biology	Elective	1	Nil	Nil	Any	Shared with MS Biosciences