

CREDIT INFO		
S.no	Catagory	Credit
1	Programme Core	70
2	Programme Elective	62
3	University Core	66
4	University Elective	12
<b>Total Credits</b>		<b>210</b>

Programme Core									
sl.no	Course Code	Course Title	Course Type	Ver sio n	L	T	P	J	Credit
1	BIY1001	Biochemistry	Embedded Theory and Lab	1.1	3	0	2	0	4
2	BIY1002	Cell Biology	Embedded Theory and Lab	1	3	0	2	0	4
3	BIY1003	Biodiversity and Conservation Biology	Embedded Theory and Project	1	2	0	0	4	3
4	BIY1004	Genetics	Embedded Theory and Project	1	2	0	0	4	3
5	BIY1005	General Microbiology	Embedded Theory, Lab and Project	1	2	0	2	4	4
6	BIY1006	Human Anatomy and Physiology	Theory Only	1	3	0	0	0	3
7	BIY1007	Molecular Biology	Embedded Theory and Lab	1	3	0	2	0	4
8	BIY1008	Research Methodology	Embedded Theory and Lab	1	3	0	2	0	4
9	BIY1009	Analytical Techniques	Embedded Theory and Lab	1	3	0	2	0	4
10	BIY1010	Immunology	Embedded Theory and Lab	1.1	3	0	2	0	4
11	BIY1011	Fundamentals of Chemical Engineering	Theory Only	1	3	0	0	0	3
12	BIY1012	Bioinformatics	Embedded Theory, Lab and Project	1	2	0	2	4	4
13	BIY1013	Bioresource Management	Embedded Theory and Project	1	2	0	0	4	3
14	BIY1014	Bio-Business and IPR	Embedded Theory and Project	1	2	0	0	4	3
15	BIY2001	Microbial Genetics	Theory Only	1	3	0	0	0	3
16	BIY2002	Genetic Engineering	Embedded Theory and Lab	1	3	0	2	0	4
17	BIY2003	Bioprocess Principles	Theory Only	1.2	3	0	0	0	3

Programme Core									
18	BIY2009	Genomics	Theory Only	1.2	3	0	0	0	3
19	BIY2011	Proteomics	Theory Only	2.1	3	0	0	0	3
20	BIY3001	Downstream Processing	Embedded Theory and Lab	1	3	0	2	0	4

Programme Elective									
sl.no	Course Code	Course Title	Course Type	Version	L	T	P	J	Credit
1	BIY1015	Environmental Health	Embedded Theory and Project	1	2	0	0	4	3
2	BIY1016	Behavioral Sciences	Embedded Theory and Project	1	2	0	0	4	3
3	BIY1017	Pharmaceutical Biotechnology	Theory Only	1	3	0	0	0	3
4	BIY1018	Industrial Biotechnology	Embedded Theory and Project	1	2	0	0	4	3
5	BIY1019	Nanobiotechnology	Embedded Theory and Project	1	2	0	0	4	3
6	BIY1020	Vaccinology	Theory Only	1	3	0	0	0	3
7	BIY1021	Epidemiology	Embedded Theory and Project	1	2	0	0	4	3
8	BIY1022	Nutraceuticals	Theory Only	1	3	0	0	0	3
9	BIY1023	Nutrition and Health	Theory Only	1	3	0	0	0	3
10	BIY1024	Computational Biochemistry and Biomedicine	Theory Only	1	3	0	0	0	3
11	BIY1025	Plant Biology	Theory Only	1	3	0	0	0	3
12	BIY1026	Forensic Science	Theory Only	1	3	0	0	0	3
13	BIY2004	Biophysics	Theory Only	1	3	0	0	0	3
14	BIY2005	Advanced Biochemistry	Theory Only	1	3	0	0	0	3
15	BIY2006	Clinical Biochemistry	Embedded Theory and Project	1	2	0	0	4	3
16	BIY2007	Developmental Biology	Theory Only	1	3	0	0	0	3
17	BIY2008	Biological Databases	Embedded Theory, Lab and Project	1	2	0	2	4	4
18	BIY2010	Plant Biotechnology	Embedded Theory, Lab and Project	1	2	0	2	4	4
19	BIY2012	Enzymology	Embedded Theory, Lab and Project	1	2	0	2	4	4
20	BIY2013	Molecular Endocrinology	Theory Only	1	3	0	0	0	3

Programme Elective									
21	BIY2014	Aquatic Biotechnology	Embedded Theory and Project	1	2	0	0	4	3
22	BIY2015	Biological Spectroscopy	Theory Only	1	3	0	0	0	3
23	BIY2016	Stem Cell Technology	Theory Only	1	3	0	0	0	3
24	BIY2017	Neurobiology	Theory Only	1	3	0	0	0	3
25	BIY2018	Bioremediation	Embedded Theory and Project	1	2	0	0	4	3
26	BIY2019	Molecular Evolution and Phylogeny	Embedded Theory and Lab	1	3	0	2	0	4
27	BIY3002	Environmental Genetics	Theory Only	1.1	3	0	0	0	3
28	BIY3003	Protein Engineering	Embedded Theory and Project	1	2	0	0	4	3
29	BIY3004	Molecular Modeling and Drug Design	Embedded Theory, Lab and Project	1	2	0	2	4	4
30	BIY4001	Cancer Biology	Theory Only	1	3	0	0	0	3
31	BIY4002	Food Science	Embedded Theory, Lab and Project	1	2	0	2	4	4
32	BIY5001	Animal Biotechnology	Theory Only	1	3	0	0	0	3
33	BIY5002	Gene Therapy	Theory Only	1	3	0	0	0	3
34	BIY5003	Enzyme Technology	Embedded Theory and Project	1	2	0	0	4	3
35	BIY5004	Food Biotechnology	Embedded Theory and Project	1	2	0	0	4	3
36	BIY5005	Environmental Biotechnology	Embedded Theory, Lab and Project	1	2	0	2	4	4
37	BIY5006	Medical Biotechnology	Theory Only	1	3	0	0	0	3

University Core									
sl.no	Course Code	Course Title	Course Type	Version	L	T	P	J	Credit
1	BIY4098	Comprehensive Examination	Project	1	0	0	0	0	2
2	BIY6099	Masters Thesis	Project	1	0	0	0	0	16
3	CHY1003	Environmental Studies	Embedded Theory and Project	1	2	0	0	4	3
4	CHY1005	Allied Chemistry	Theory Only	2	3	0	0	0	3
5	CSE1012	Introduction to Computers and their Applications	Embedded Theory and Lab	1	2	0	2	0	3

University Core									
6	CSE2009	Computer Programming for Biologists	Embedded Theory and Lab	1	2	0	2	0	3
7	ENG1001	Basic English	Embedded Lab and Project	1.1	0	0	2	4	2
8	ENG1012	Communicative English	Embedded Lab and Project	1.1	0	0	2	4	2
9	EXC4097	Co-Extra Curricular Basket	Basket	1	0	0	0	0	2
10	FLC4097	Foreign Language Course Basket	Basket	1	0	0	0	0	2
11	HUM1032	Ethics and Values	Embedded Theory and Project	1.1	1	0	0	4	2
12	MAT1001	Fundamentals of Mathematics	Theory Only	1	3	1	0	0	4
13	MAT1012	Statistical Applications	Embedded Theory and Lab	1	2	0	2	0	3
14	MGT1022	Lean Start-up Management	Embedded Theory and Project	1	1	0	0	4	2
15	PHY1003	Physics	Embedded Theory, Lab and Project	1	3	0	2	4	5
16	SET4001	Science, Engineering and Technology Project - I	Project	1	0	0	0	0	2
17	SET4002	Science, Engineering and Technology Project - II	Project	1	0	0	0	0	2
18	STS5097	Soft Skills M.Tech SE (5 Yr.) / M.Sc.Biotechnology (5 Yr.)	Basket	1	0	0	0	0	8