

Programme Structure of B.Sc. Biochemistry

Category	Total Number of Credits
Programme Core	70
Discipline Specific Course	12
Skill Enhancement Course (SEC)	25
Ability Enhancement Compulsory Course (AECC)	10
Generic Elective (GE)	4
Discipline Specific Elective (DSE)	4
Total Credits	125

Galgotias University, Uttar Pradesh							
B.Sc. Biomedical Sciences (SBAS)							
SEMESTER I							
Semester	Course	Course Name	Course Code	L	T	P	C
I	Theory	Chemistry	BSDB1001	4	0	0	4
I	Theory	Fundamentals of Cell Biology	BSDB1002	4	0	0	4
I	Theory	Biochemistry	BSDB1003	4	0	0	4
I	Theory	Human Physiology- I	BSBM1004	4	0	0	4
I	Practical	Hands on Workshop on basic analytical techniques & measurements	BSBA1061	0	0	4	2
I	Practical	Biomedical Science Lab-I	BSBM1006	0	0	4	2
Credits							20
SEMESTER II							
Semester	Course	Course Name	Course Code	L	T	P	C
II	Theory	Environmental Science	ENVS1001	3	0	0	3
II	Theory	Functional English-II	FENG1003	3	0	0	3
II	Theory	Bioinstrumentation-I	BSDB1007	4	0	0	4
II	Theory	Human Physiology -II	BSBM 1008	4	0	0	4
II	Theory	Toxicology and Pharmacology	BSBM 1009	4	0	0	4
II	Practical	Biomedical Science Lab-II	BSBM 1010	0	0	4	2
Credits							20

SEMESTER III							
Semester	Course	Course Name	Course Code	L	T	P	C
III	Theory	Fundamentals of Molecular Biology	BSDB2001	4	0	0	4
III	Theory	Bioinstrumentation - II	BSDB2002	4	0	0	4
III	Theory	Fundamentals of Microbiology	BSDB 2003	4	0	0	4
III	Theory	Biochemistry of Metabolism	BSDB2004	4	0	0	4
III	Theory	Biomedical Science Lab-III	BSBM2005	0	0	4	2
III	Seminar	Web based Course/Seminar-I	BSBM 2006	0	0	0	2
Credits							20
SEMESTER IV							
Semester	Course	Course Name	Course Code	L	T	P	C
IV	Theory	Programming Languages	BSDB2021	4	0	0	4
IV	Theory	Biotechnology	BSDB2010	4	0	0	4
IV	Theory	Medical Biochemistry	BSDB2009	4	0	0	4
V	Theory	Medicinal chemistry	BSBM2007	4	0	0	4
IV	Theory	Electives (Group I, GE)		4	0	0	4
	Practical	Biomedical Science Lab-IV	BSBM 2016	0	0	4	2
IV	Practical	Programming Languages Laboratory	BSDB2022	0	0	4	2
Credits							24
SEMESTER V							
Semester	Course	Course Name	Course Code	L	T	P	C
V	Project	Minor Project	BSBM3001	0	0	0	3
V	Theory	Concepts of Immunology	BSDB3002	4	0	0	4
V	Theory	Inheritance Biology	BSDB3003	4	0	0	4
V	Theory	Medical Microbiology	BSDB3004	4	0	0	4
	Theory	Evolutionary Biology	BSDB 3005	4	0	0	4
V	Theory	Electives (Group II, DSE)		4	0	0	4
V	Practical	Biomedical sciences Lab-V	BSBM 3017	0	0	4	2

							Credits	25
SEMESTER VI								
VI	Project	Dissertation	BSBM9999	0	0	0	14	
VI	Seminar	Web based Course/Seminar-II	BSDB3010	0	0	0	2	
		TOTAL CREDITS					125	

ELECTIVES							
Semester	Group	Course Name	Course Code	L	T	P	C
IV	Group I	Bioinformatics	BSDB2011	4	0	0	4
IV	Group I	Biostatistics	BSDB2012	4	0	0	4
IV	Group I	Biophysics	BSDB2013	4	0	0	4
IV	Group I	Organic Farming	BSDB2014	4	0	0	4
IV	Group I	Biofertilizers and Pesticides	BSDB2015	4	0	0	4
V	Group II	Nanobiotechnology	BSDB3011	4	0	0	4
V	Group II	Bioresource Management	BSDB3012	4	0	0	4
V	Group II	Biosafety and IPR	BSDB3013	4	0	0	4
V	Group II	Mushroom Culture Technology	BSDB3015	4	0	0	4
V	Group II	Parasitology	BSDB3016	4	0	0	4