

### Programme Structure of B.Sc. Biological Science

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
<b>Total Credits</b>	<b>125</b>

<b>Galgotias University, Uttar Pradesh</b>							
<b>School of Basic and Applied Sciences</b>							
<b>SEMESTER I</b>							
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	Light and Life	BSBS1004	4	0	0	4
I	Practical	Biological Science Lab-I	BSBS1006	0	0	4	2
I	Practical	Hands on Workshop on Basic Analytical Techniques and Measurements	BSBA1061	0	0	4	2
<b>Credits</b>							<b>20</b>
<b>SEMESTER II</b>							
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	BSBD1007	4	0	0	4
II	Theory	Ecology	BSDB1008	4	0	0	4
II	Theory	Hormones: Biochemistry and Function	BSDB1009	4	0	0	4
II	Practical	Biological Science Lab-II	BSBS1010	0	0	4	2
<b>Credits</b>							<b>20</b>
<b>SEMESTER III</b>							
Semester	Course	Course Name	Course Code	L	T	P	C
III	Theory	Fundamentals of	BSDB2001	4	0	0	4

		Molecular Biology					
III	Theory	Bioinstrumentation - II	BSDB2002	4	0	0	4
III	Theory	Fundamentals of Microbiology	BSDB2003	4	0	0	4
III	Theory	Biochemistry of Metabolism	BSDB2004	4	0	0	4
III	Practical	Biological Science Lab-III	BSBS2005	0	0	4	2
III	Seminar	Web based Course/Seminar -I	BSDB2006	0	0	0	2
<b>Credits</b>							<b>20</b>
<b>SEMESTER IV</b>							
<b>Semester</b>	<b>Course</b>	<b>Course Name</b>	<b>Course Code</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>C</b>
IV	Theory	Programming Languages	BSDB2021	4	0	0	4
IV	Theory	Biotechnology	BSDB2010	4	0	0	4
IV	Theory	System physiology	BSBS2007	4	0	0	4
IV	Theory	Protein and Enzymes	BSBS2008	4	0	0	4
IV	Theory	Elective (Group I, GE)		4	0	0	4
IV	Practical	Biological Science Lab-IV	BSBS2016	0	0	4	2
IV	Practical	Programming Languages Laboratory	BSDB2022	0	0	4	2
<b>Credits</b>							<b>24</b>
<b>SEMESTER V</b>							
<b>Semester</b>	<b>Course</b>	<b>Course Name</b>	<b>Course Code</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>C</b>
V	Project	Minor Project	BSBS3001	0	0	0	3
V	Theory	Concept of Immunology	BSDB3002	4	0	0	4
V	Theory	Inheritance Biology	BSDB3003	4	0	0	4
V	Theory	Growth and Reproduction	BSBS3004	4	0	0	4
V	Theory	Evolutionary Biology	BSDB3005	4	0	0	4
V	Theory	Elective (Group II, DSE)		4	0	0	4
V	Practical	Biological Sciences Lab-V	BSBS3007	0	0	4	2
<b>Credits</b>							<b>25</b>
<b>SEMESTER VI</b>							
VI	Project	Dissertation	BSBS9999	0	0	0	<b>14</b>
VI	Seminar	Web Based Course/Seminar-II	BSDB3010	0	0	0	<b>2</b>
<b>TOTAL CREDITS</b>							<b>125</b>

<b>ELECTIVES</b>							
<b>Semester</b>	<b>Group</b>	<b>Course Name</b>	<b>Course Code</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>C</b>

<b>IV</b>	Group I	Bioinformatics	BSDB2011	4	0	0	4
<b>IV</b>	Group I	Biostatistics	BSDB2012	4	0	0	4
<b>IV</b>	Group I	Biophysics	BSDB2013	4	0	0	4
<b>IV</b>	Group I	Organic Farming	BSDB2014	4	0	0	4
<b>IV</b>	Group I	Biofertilizers and Pesticides	BSDB2015	4	0	0	4
<b>V</b>	Group II	Nanobiotechnology	BSDB3011	4	0	0	4
<b>V</b>	Group II	Bioresource Management	BSDB3012	4	0	0	4
<b>V</b>	Group II	Biosafety and IPR	BSDB3013	4	0	0	4
<b>V</b>	Group II	Mushroom Culture Technology	BSDB3015	4	0	0	4
<b>V</b>	Group II	Parasitology	BSDB3016	4	0	0	4