

ADAMAS UNIVERSITY								
B.Sc.Biochemistry Semester-I								
Type of The Course	Old Course Code	Revised Course Code	CourseName	Contact Hours	L	T	P	Credit
CORE Theory	SBC31101	BIC11001	Molecules of Life	60	3	1	0	4
CORE Practical	SBC31201	BIC12002	Molecules of Life Lab	45	0	0	3	2
CORE Theory	SBC31103	BIC11003	Protein	60	3	1	0	4
CORE Practical	SBC31203	BIC12004	Protein Lab	45	0	0	3	2
AECCI	HEN31105	ENG11057	English Language and Literature	60	2	0	0	2
FOUNDATION	SBC31107	DGS11001	DesignThinking	30	2	0	0	2
Generic Elective 1(GE1*) Theory	SBN31105 /SBT31105 /SCY31105 /SPS31109	BOT11001 /ZOL11001 /CHM11151 /PSG13004	Any one of the following: Elective Botany I /Elective Zoology I / Elective Chemistry I/ *Elective General Psychology	60	3	1	0	4
Generic Elective 1(GE1) Practical	SBN31205 /SBT31205 /SCY31205	BOT12002 /ZOL12002 /CHM12152	Corresponding Practical (anyone): Elective Botany I Lab/ Elective Zoology I Lab /Elective Chemistry I Lab/	45	0	0	3	2
Total								22

*6 credit course for non-lab-based subject

ADAMAS UNIVERSITY								
B.Sc.BiochemistrySemester-II								
Type of the Course	Old Course Code	Revised Course Code	CourseName	Contact Hours	L	T	P	Credit
CORE Theory	SBC31102	BIC11005	Enzymes	60	3	1	0	4
CORE Practical	SBC31202	BIC12006	Enzymes Lab	45	0	0	3	2
CORE Theory	SBC31104	BIC11007	Human Physiology	60	3	1	0	4
CORE Practical	SBC31204	BIC12008	Human PhysiologyLab	45	0	0	3	2
AECCII Theory	SGY31106	EVS11112	Environmental Science	30	3	1	0	2
FOUNDATIO N	SBC31402	EIC11001	Venture Ideation	30	3	0	0	2
GenericEle ctive 2 [#] (GE2*) Theory	SBN31106 /SBT3110 6 /SPS3110 9	BOT11003 /ZOL1100 3 /PSG1300 7/CHM111 53	Any one of the following: Elective Botany II /Elective ZoologyII/ *ElectiveApplied Psychology /Elective Chemistry II	60	3	1	0	4
Generic Elective 2 [#] (GE2*) Practical	SBC31206 /SBT3120 6	BOT12004 /ZOL1200 4/CHM121 54	Corresponding Practical (anyone): Elective Botany II Lab /Elective Zoology II Lab/ Elective Chemistry Lab II	45	0	0	3	2
Total								22

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B.Sc. Biochemistry Semester-V

Type of Course	Old Course Code	Revised Course Code	Course Name	Contact Hours Per Week	L	T	P	Credit
CORE Theory	SBC33101	BIC11026	Concept of Genetics	60	3	1	0	4
CORE Practical	SBC33201	BIC12027	Concept of Genetics Lab	45	0	0	3	2
CORE Theory	SBC33103	BIC11028	Gene Expression and Regulation	60	3	1	0	4
CORE Practical	SBC33203	BIC12029	Gene Expression and Regulation Lab	45	0	0	3	2
CORE Discipline Specific Elective I (DSEI) Theory	SBC33105 /SBC33107 /SBC33109/	BIC11030/ BIC11032/ BIC11034	Any one of the following: Bioinformatics/ Basic Microbiology/ Molecular Basis of non-infectious human diseases	60	3	1	0	4
CORE Discipline Specific Elective I (DSEI) Practical	SBC33205 /SBC33207 /SBC33209/	BIC12031/ BIC12033/ BIC12035	Corresponding Practical (any one): Bioinformatics Lab/ Basic Microbiology Lab/ Molecular Basis of non-infectious human diseases Lab	45	0	0	3	2
CORE Discipline Specific Elective II (DSEII) Theory	SBC33111/ SBC33113/ SBC33115	BIC11036/ BIC11038/ BIC11040	Any one of the following: Molecular Basis of Infectious Human Diseases/ Medical Microbiology/ Nutritional Biochemistry	60	3	1	0	4
CORE Discipline Specific Elective II (DSEII) Practical	SBC33211/ SBC33113 /SBC33115	BIC12037/ BIC12039/ BIC12041	Corresponding Practical (any one): Molecular Basis of Infectious Human Diseases Lab/ Medical Microbiology Lab/ Nutritional Biochemistry Lab	45	0	0	3	2
FOUNDATION	SBC33601	BIC14042	Industry Internship	-	-	-	-	2
Total								26

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Note: Offer of DSE courses may vary from year to year based on availability of faculty

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B.Sc.Biochemistry Semester-VI

Type of the course	Old Course Code	Revised Course Code	Course Name	Contact Hours	L	T	P	Credit
CORE Theory	SBC33102	BIC11043	Genetic Engineering and Biotechnology	60	3	1	0	4
CORE Practical	SBC33202	BIC12044	Genetic Engineering and Biotechnology Lab	45	0	0	3	2
CORE Theory	SBC33104	BIC11045	Hormones: Biochemistry and Function	60	3	1	0	4
CORE Practical	SBC33204	BIC12046	Hormones Biochemistry and Function Lab	45	0	0	3	2
CORE Discipline Specific Elective III (DSE III)	SBC33106 / SBC33108 / SBC33110	BIC11047 / BIC11049 / BIC11051	Any one of the following: Plant Biochemistry / Advanced Cell Biology / Research Methodology*	60	3	1	0	4
CORE Discipline Specific Elective III (DSE III) Practical	SBC33206 / SBC33208	BIC12048 / BIC12050	Corresponding Practical (anyone): Plant Biochemistry Lab / Advanced Cell Biology Lab	45	0	0	3	2
	SBC33712	BIC15052	Dissertation	4	0	0	4	6
FOUNDATION	SBC33302	BIC15053	Seminar on Contemporary Research in Biochemistry					2
Total								26

Total credit distribution semester-wise:

Semester	I	II	III	IV	V	VI	Total
Credits	22	22	30	28	26	26	154