

M.Sc BIOCHEMISTRY

Total credits: 100

Semester I

COURSE CODE	PAPER	CREDITS
PSBCTC101	Cell Biology	4
PSBCTC102	Biophysical and Bio-organic chemistry	4
PSBCTC107	Biomolecules	4
PSBCTC109	Molecular Biology	4
PSBCPC105	Laboratory course in Cell Biology and Biophysical and Bio-organic chemistry	4
PSBCPC108	Laboratory course in Biomolecules and Molecular Biology	4
TOTAL		24

Semester II

COURSE CODE	PAPER	CREDITS
PSBCTC210	Genetic Engineering	4
PSBCTC202	Enzymology	4
PSBCTC211	Genetics and Genomics	4
PSBCTC204	Molecular Virology	2
PSBCTC205	Immunology	4
PSBCTC213	Research methodology and Scientific communications	1
PSBCPC206	Laboratory course in Genetic Engineering and Enzymology	4
PSBCPC212	Laboratory course in Genetics and Genomics and Immunology	4
TOTAL		27

Semester III

COURSE CODE	PAPER	CREDITS
PSBCTC301	Plant Biochemistry	4
PSBCTC302	Intermediary Metabolism	4
PSBCTC311	Bioinformatics & Biostatistics	2
PSBCTC308	Mammalian hormones	2
PSBCTC309	IPRs, Bioethics and Entrepreneurship development	2
PSBCTC317	Nanotechnology in Biology	2
PSBCTC316	Project writing	1
PSBCPC313	Laboratory course in Plant Biochemistry	2
PSBCPC314	Laboratory course in Intermediary Metabolism	2
PSBCPC315	Laboratory course in Bioinformatics and Biostatistics	2
	MOOCs from SWAYAM	4
TOTAL		27

By the end of 3rd Semester students have to complete a 4 credit course from MOOCs platform

Semester IV

COURSE CODE	PAPER	CREDITS
PSBCDC406	Research Project+ Project presentation+ Viva-Voce+ Dissertation	8
PSBCDC402	Journal Club	2
PSBCTC403	Nutritional Biochemistry	4
PSBCTC404	Clinical Biochemistry	4
	Open Course (from other department of the University)	4
TOTAL		22

Students will register for a minimum of 4 credits of course from other Departments of the University in semester 4

Open courses offered by the School:

Techniques in Biotechnology to the 4th Semester students (4 credits)