

M.Sc. Biotechnology

Total Credits : 98

Semester I

COURSE CODE	PAPER	CREDITS
PSBTTC101	Cell Biology	4
PSBTTC102	General & Applied Microbiology	4
PSBTTC103	Biochemistry & Metabolism	4
PSBTTC104	Molecular Biology	4
PSBTTC105	Laboratory course in General & Applied Microbiology and Cell Biology	4
PSBTTC106	Laboratory course in Biochemistry & Metabolism and Molecular Biology	4
TOTAL		24

STUDENTS WILL REGISTER FOR A MINIMUM OF 2 CREDIT COURSE FROM SWAYAM

Semester II

COURSE CODE	PAPER	CREDITS
PSBTTC201	Genetic Engineering	4
PSBTTC202	Enzymology	4
PSBTTC203	Genetics	2
PSBTTC204	Molecular Virology	2
PSBTTC205	Immunology	4
PSBTTC208	Term paper	1
PSBTTC206	Laboratory course in Genetic Engineering and Enzymology	4
PSBTTC207	Laboratory course in Genetics and Immunology	4
TOTAL		25

Semester III

COURSE CODE	PAPER	CREDITS
PSBTTC301	Plant Biotechnology	4
PSBTTC302	Bioprocess Engineering	4
PSBTTC308	Bioinformatics & Biostatistics	2
PSBTTC304	IPR	2
PSBTTE310	Nanotechnology in Biology	2
PSBTTC309	Review Paper writing	1
PSBTTC312	Laboratory course in Plant Biotechnology	2
PSBTTC311	Laboratory course in Bioinformatics	2
PSBTTC313	Laboratory course in Bioprocess Engineering	2
TOTAL		21

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

Semester IV

COURSE CODE	PAPER	CREDITS
PSBTDC406	Research Project+Project presentation+Viva-Voce+Dissertation	8
PSBTDC402	Journal Club	2
PSBTTC403	Animal Biotechnology	4
PSBTTC404	Environmental Biotechnology	4
TOTAL		18

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

Open courses offered by the School:-

- 1. Techniques in Biotechnology** 4 Credits (To 3rd Sem students)
- 2. Essentials in Microbiology and Biochemistry** 4 Credits (To 4th Sem students)