

YEAR FOUR															
7th Term							8th Term								
Code	Course Name	T	P	L	C	ECTS	Prerequisite	Code	Course Name	T	P	L	C	ECTS	Prerequisite
MBG405	Immunology	2	0	0	2	3		MBG408	Bioethics	2	0	0	2	3	
MBG493	Graduation Project*	0	0	6	3	5		MBG496	Graduation Thesis*	0	0	6	3	10	MBG 493
MBGXXX	Departmental Elective V	3	0	0	3	5		MBGXXX	Departmental Elective VII	3	0	0	3	5	
XXXXXX	Departmental Elective VI	3	0	0	3	5		MBGXXX	Departmental Elective VIII	3	0	0	3	5	
XXXXXX	Field Elective I	3	0	0	3	5		XXXXXX	Field Elective II	3	0	0	3	5	
XXXXXX	Social Elective III	3	0	0	3	5		OHS404	Occupational Health and Safety	4	0	0	4	4	
Total Credits		14	0	6	17	28		Total Credits		15	0	6	18	32	

2024-2025	Total Course Credits for Graduation	148
	Total Course ECTS for Graduation	243
	Total Elective Courses ECTS	65
	Elective Course Ratio	27%

* These courses are under the Applied Course status.
 ** These courses are under the Internship Course status.

Elective Courses Pool														
DEPARTMENTAL ELECTIVES							Social Elective Courses (Foreign Languages)							
Code	Course Name	T	P	L	C	ECTS	Code	Course Name	T	P	L	C	ECTS	Prerequisite
Field : Biotechnology														
Departmental Electives With Project (3rd Year & 4th Year)														
MBG318	Microbial Metabolism	3	0	0	3	5	ESP123	Spanish I	3	0	0	3	5	
MBG321	Plant Genetics and Biotechnology	3	0	0	3	5	ESP124	Spanish II	3	0	0	3	5	ESP123
MBG441	Advanced Methods in Molecular Biology	3	0	0	3	5	CHN123	Chinese I	3	0	0	3	5	
MBG427	Biochemical Ecology	3	0	0	3	5	CHN124	Chinese II	3	0	0	3	5	CHN123
Departmental Electives (4th Year)														
MBG440	Forensic Biology	3	0	0	3	5	ARB123	Arabic I	3	0	0	3	5	
MBG422	Protein Design	3	0	0	3	5	ARB124	Arabic II	3	0	0	3	5	ARB123
MBG424	Applied Microbiology	3	0	0	3	5	RSN123	Russian I	3	0	0	3	5	
MBG445	Environmental Sustainability	3	0	0	3	5	RSN124	Russian II	3	0	0	3	5	RSN123
Field : Cell Biology														
Departmental Electives With Project (3rd Year & 4th Year)														
MBG313	Cancer Molecular Biology	3	0	0	3	5	FRN123	French I	3	0	0	3	5	
MBG341	Introduction to Toxicology	3	0	0	3	5	FRN124	French II	3	0	0	3	5	FRN123
MBG343	Genetic Disorders	3	0	0	3	5	GER123	German I	3	0	0	3	5	
MBG342	Stem Cell Technologies	3	0	0	3	5	GER124	German II	3	0	0	3	5	GER123
Departmental Electives (4th Year)														
MBG442	Nutritional Biochemistry	3	0	0	3	5	JAP123	Japanese I	3	0	0	3	5	
Field : Genetics														
Departmental Electives With Project (3rd Year & 4th Year)														
MBG316	Genes, Environment and Behavior	3	0	0	3	5	JAP124	Japanese II	3	0	0	3	5	JAP123
MBG319	Functional Genomics and Transcriptomics	3	0	0	3	5	ITA123	Italian I	3	0	0	3	5	
MBG330	Epigenetics	3	0	0	3	5	ITA124	Italian II	3	0	0	3	5	ITA123
MBG333	Molecular Evolution	3	0	0	3	5								
MBG343	Genetic Disorders	3	0	0	3	5								
Departmental Electives (4th Year)														
MBG418	Pharmacogenetics	3	0	0	3	5								
MBG419	Sports and Performance Genetics	3	0	0	3	5								
Field : Neurobiology														
Departmental Electives With Project (3rd Year & 4th Year)														
MBG307	Neurobiology	3	0	0	3	5								
MBG317	Memory	3	0	0	3	5								
MBG323	Special Topics in Neuroscience	3	0	0	3	5								
MBG326	Neurodevelopment	3	0	0	3	5								
Departmental Electives (4th Year)														
MBG411	Animal Behavior	3	0	0	3	5								
MBG417	Neurophysics	3	0	0	3	5								
MBG435	Neurochemistry	3	0	0	3	5								
Departmental Elective Courses (2nd Year)														
Code	Course Name	T	P	L	C	ECTS								
MBG205	Plant Biology	3	0	0	3	5								
MBG340	Human Anatomy	3	0	0	3	5								
MBG203	Biostatistics	3	0	0	3	5								
MBG213	Histology and Embryology	3	0	0	3	5								

Code	Course Name	T	P	L	C	ECTS	Prerequisite
MDB402	Industrial Microbiology	3	0	0	3	5	
MDB403	Problems and Progress in Biomedical Science	3	0	0	3	5	

Field Elective Courses

For Field Elective courses, any departmental elective course (in English) having appropriate credits from other departments of Faculty of Engineering and Natural Sciences can be elected.

Social Elective Courses

For Social Elective courses, any course (in English) having appropriate credits from other faculties can be elected.