

YEAR ONE

1st Term

Code	Course Name	T	P	L	C	ECTS	Prerequisite
MBG 101	General Biology-I	3	0	2	4	7	
MATH 101	Calculus-I	3	2	0	4	6	
PHYS 101	Physics-I	3	0	2	4	6	
CHEM 101	General Chemistry-I	3	0	2	4	6	
ENG 101	English-I	3	0	0	3	3	
RCUL 101	University Culture	0	2	0	1	1	
RPSC 109	Positive Psychology and Communication Skills	3	0	0	3	5	
Total Credits		15	4	6	23	34	

2nd Term

Code	Course Name	T	P	L	C	ECTS	Prerequisite
MBG 102	General Biology-II	3	0	2	4	7	
MATH 102	Calculus-II	3	2	0	4	6	
PHYS 102	Physics-II	3	0	2	4	6	
CHEM 102	General Chemistry-II	3	0	2	4	6	
ENG 102	English-II	3	0	0	3	3	
RCUL 102	University Culture	0	2	0	1	1	
Total Credits		15	4	6	20	29	

YEAR TWO

3rd Term

Code	Course Name	T	P	L	C	ECTS	Prerequisite
MBG 211	Genetics	3	0	2	4	7	MBG 101 or 102
MBG 213	Histology and Embryology	2	0	2	3	4	
MBG 209	Microbiology	3	0	2	4	6	
MBG 205	Departmental Elective-I	3	0	0	3	5	
COME 211	Introduction to Programming for Engineers	1	0	2	2	3	
TURK 101	Turkish Language - I	2	0	0	2	3	
ATA 101	Principles of Atatürk and History of Revolutions - I	2	0	0	2	3	
Total Credits		16	0	8	20	31	

4th Term

Code	Course Name	T	P	L	C	ECTS	Prerequisite
MBG 212	Molecular Genetics	3	0	0	3	4	MBG 101 or 102
MBG 204	Introduction to Bioinformatics	2	2	0	3	5	
CHEM 104	Organic Chemistry	3	0	2	4	6	
MBG 210	Physiology	3	0	2	4	6	
TURK 102	Turkish Language - II	2	0	0	2	3	
ATA 102	Principles of Atatürk and History of Revolutions - II	2	0	0	2	3	
Total Credits		15	2	4	18	27	

YEAR THREE

5th Term

Code	Course Name	T	P	L	C	ECTS	Prerequisite
MBG 309	Biochemistry-I	3	0	2	4	7	CHEM 104
MBG 311	Molecular Cell Biology	3	0	2	4	7	MBG 101 or 102
MBG 315	Bioethics	2	0	0	2	3	
MBG 307	Departmental Elective-II	3	0	0	3	5	
XXXXXX	Field Elective - I	3	0	0	3	5	
RPRE 104	Entrepreneurship and Project Culture	2	0	0	2	3	
Total Credits		16	0	4	18	30	

6th Term

Code	Course Name	T	P	L	C	ECTS	Prerequisite
MBG 310	Biochemistry-II	3	0	2	4	7	CHEM 104
MBG 304	Recombinant DNA Technology	3	2	0	3	7	MBG 211
MBG 312	Biotechnology	3	0	0	3	4	
MBG XXX	Departmental Elective - III	3	0	0	3	5	
XXXXXX	Social Elective - II	3	0	0	3	5	
MBG 382	Summer Practice	0	0	0	0	4	
Total Credits		15	4	2	16	32	

YEAR FOUR

7th Term

Code	Course Name	T	P	L	C	ECTS	Prerequisite
MBG 491	Graduation Project	0	0	6	3	10	
MBG 407	Seminar	0	2	0	1	2	
MBG 405	Immunology	2	0	0	2	3	
MBG XXX	Departmental Elective - IV	3	0	0	3	5	
MBG XXX	Departmental Elective-V	3	0	0	3	5	
XXXXXX	Social Elective - III	3	0	0	3	5	
Total Credits		11	2	6	15	30	

8th Term

Code	Course Name	T	P	L	C	ECTS	Prerequisite
MBG 492	Graduation Thesis	0	0	6	3	14	MBG 491
MBG XXX	Departmental Elective -VI	3	0	0	3	5	
XXXXXX	Field Elective - II	3	0	0	3	5	
XXXXXX	Elective (2.Foreign Language)	2	0	0	2	3	
Total Credits		8	0	6	11	27	

TOTAL LOCAL CREDITS FOR GRADUATION	141
ECTS Credits	240
ECTS Credits of Elective Courses	50
Elective Courses Ratio	21

Elective Courses Pool

Departmental Elective Courses	Elective Foreign Languages
MBG 205 Plant Biology MBG 307 Neurobiology MBG 313 Cancer Molecular Biology MBG 203 Biostatistics MBG 316 Genes, Environment and Behavior MBG 317 Memory MBG 318 Microbial Metabolism MBG 319 Functional Genomics and Transcriptomics MBG 321 Plant Genetics and Biotechnology MBG 322 Signal Transduction	MBG 323 Special Topics in Neuroscience MBG 330 Epigenetics MBG 333 Molecular Evolution MBG 411 Animal Behavior MBG 415 Industrial Microbiology MBG 417 Computational Neuron Models MBG 418 Pharmacogenetics MBG 419 Sports and Performance Genetics MBG 427 Biochemical Ecology
	XXX Spanish XXX Arabic XXX Chinese XXX Russian
	For Field Elective courses, any course having appropriate credits from other departments of Faculty of Engineering and Natural Sciences can be elected.
	For Social Elective courses any course having appropriate credits from other faculties can be elected.