

İZMİR INSTITUTE OF TECHNOLOGY
FACULTY OF SCIENCE
DEPARTMENT OF MOLECULAR BIOLOGY AND GENETICS
2025 UNDERGRADUATE PROGRAM

First Semester				PRCD/CRCd	ECTS
MBG	101	Biology I	(4+0)4		6
MBG	111	Biology Lab I	(0+4)2	CRCd: MBG 101	2
CHEM	101	General Chemistry I	(4+0)4		5
CHEM	131	General Chemistry Laboratory I	(0+4)2	CRCd: CHEM 101	2
PHYS	101	General Physics I	(4+0)4		5
PHYS	111	General Physics Lab I	(0+2)1		2
MATH	141	Basic Calculus I	(3+2)4		5
ENG	101	Development of Reading and Writing Skills I	(3+0)3		3
				24 Credits	30

Second Semester				PRCD/CRCd	ECTS
MBG	102	Biology II	(4+0)4		5
CHEM	102	General Chemistry II	(4+0)4		5
CHEM	132	General Chemistry Laboratory II	(0+4)2	CRCd: CHEM 102	2
PHYS	102	General Physics II	(4+0)4		5
PHYS	112	General Physics Lab II	(0+2)1		2
MATH	142	Basic Calculus II	(3+2)4		6
ENG	102	Development of Reading and Writing Skills II	(3+0)3		3
GCC	101	Career Planning and Development	(2+0) NC		2
				22 Credits	30

Third Semester				PRCD/CRCd	ECTS
MBG	201	Cell Biology I	(3+0)3		5
MBG	203	Genetics	(4+0)4		5
MBG	213	Genetics Lab	(0+4)2	CRCd: MBG 203	4
CHEM	221	Organic Chemistry	(4+0)4	PRCD: CHEM 101,102	5
CHEM	241	Organic Chemistry Laboratory	(0+4)2	CRCd: CHEM 221	4
HIST	201	Principles of Atatürk I	(2+0) NC		2
TURK	201	Turkish Language I	(2+0) NC		2
Non-technical Elective			(3+0)3		3
				18 Credits	30

Fourth Semester				PRCD/CRCd	ECTS
MBG	202	Molecular Biology	(4+0)4		5
MBG	212	Molecular Biology Lab	(0+4)2	CRCd: MBG 202	4
MBG	206	Cell Biology II	(3+0)3		5
MBG	211	Cell Biology Lab	(0+4)2	CRCd: MBG 206	4
MBG	205	Biostatistics	(2+2)3		5
HIST	202	Principles of Atatürk II	(2+0) NC		2
TURK	202	Turkish Language II	(2+0) NC		2
Non-technical Elective			(3+0)3		3

