

Course Code (Old)	Course Name	T+L	CREDIT	ECTS	Course Code (New)	Course Name	T+L	CREDIT	ECTS
BIO203	Bioinformatics I	3+0+0	3	7	BGE203	Bioinformatics I	3+0+0	3	6
MBG203	Modern Basic Sciences and Applications I	3+0+2	4	5	CHEM101	General Chemistry I	3+0+0	3	5
CH103	Chemistry I	3+0+2	4	6	CHEM101	General Chemistry I	3+0+0	3	5
MBG204	Modern Basic Sciences and Applications II	3+0+2	4	5	CHEM102	General Chemistry II	3+2+0	4	6
CH104	Chemistry II	3+0+2	4	6	CHEM102	General Chemistry II	3+2+0	4	6
KHAS1002	Scientific Discoveries and Engineering	3+0+0	3	5	CMPE107	Technical Writing and Presentation	2+0+0	2	3
FENS201	Applied Engineering Mathematics I	3+2+0	4	6	FENS101	Engineering Mathematics I	4+0+0	4	6
FENS251	Applied Life Sciences Mathematics I	3+2+0	4	6	FENS101	Engineering Mathematics I	4+0+0	4	6
MA102*2	Calculus II	3+2+0	4	7	FENS101	Engineering Mathematics I	4+0+0	4	6
FENS202	Applied Engineering Mathematics II	3+2+0	4	6	FENS102	Engineering Mathematics II	4+0+0	4	6
KHAS101	Origins and Consequences	3+0+0	3	5	FENS103	Complexity in Natural Sciences	3+0+0	3	5
PH121	Physics I	3+0+0	3	5	FENS103	Complexity in Natural Sciences	3+0+0	3	5
KHAS1120	Thinking Mathematically	3+0+0	3	6	FENS105	Linear Algebra	3+0+0	3	4
MA101*2	Calculus I	3+2+0	4	7	FENS105	Linear Algebra	3+0+0	3	4
KHAS107	Design	3+0+0	3	5	FENS111	Physics I	3+0+2	4	6
CMPE246	Applied Engineering Physics	4+0+2	5	5	FENS112	Physics II	3+0+2	4	6
PH122	Physics II	3+0+0	3	5	FENS112	Physics II	3+0+2	4	6
GE204	Probability and Statistics for Engineers	3+0+0	3	5	FENS200*1	Probability and Statistics	3+2+0	4	4
FENS200	Probability and Statistics	2+2+0	3	4	FENS200*1	Probability and Statistics	3+2+0	4	4
BIO202*2	Numerical Methods and Optimization Techniques	3+0+0	3	7	FENS300	Numerical Methods	2+2+0	3	5
AT101*1	Principles of Atatürk and History of Turkish Republic I	2+0+0	2	1	HST101	History of Modern Turkey I	2+0+0	2	2
AT102*3	Principles of Atatürk and History of Turkish Republic II	2+0+0	2	1	HST102	History of Modern Turkey II	2+0+0	2	2
KHAS101	Origins and Consequences	3+0+0	3	5	MBG101	Genetics and Society	3+0+0	3	5
BIO101	Introduction to Biology	3+0+0	3	5	MBG106	Biology I	3+0+0	3	6
BGE106	Biology I	3+0+0	3	6	MBG106	Biology I	3+0+0	3	6
MBG208*1	Virtual Basic Lab	2+2+0	3	5	MBG208*2	Virtual Basic Lab	3+0+0	3	5
MBG210	Human Physiology	3+2+0	4	6	MBG210*1	Human Physiology	3+0+0	3	5
BIO205	Organic Chemistry I	3+0+0	3	7	MBG211	Bioorganic Chemistry I	3+0+0	3	6
BGE205	Bioorganic Chemistry I	3+0+0	3	6	MBG211	Bioorganic Chemistry I	3+0+0	3	6
BIO206	Organic Chemistry II	3+0+2	4	9	MBG212	Bioorganic Chemistry II	3+0+2	4	8
BGE206	Bioorganic Chemistry II	3+2+0	3	8	MBG212	Bioorganic Chemistry II	3+0+2	4	8
BIO102	Biology	3+0+0	3	5	MBG215	Biology II	3+0+0	3	6
BGE215	Biology II	3+0+0	3	5	MBG215	Biology II	3+0+0	3	6
BGE299	Internship I	0+0+0	0	3	MBG299	Internship I	0+0+0	0	5
BIO204*1	Bioinformatics II	3+0+0	3	7	MBG304	Introduction to Bioinformatics	3+0+0	3	5
BGE204	Bioinformatics II	3+0+0	3	6	MBG304	Introduction to Bioinformatics	3+0+0	3	5
BIO305*1	Biochemistry I	3+0+0	3	6	MBG305*1	Biochemistry I	3+0+2	4	6
BGE305	Biochemistry I	3+0+0	3	6	MBG305*1	Biochemistry I	3+0+2	4	6
BIO306*1	Biochemistry II	3+0+0	3	6	MBG306	Biochemistry II	3+0+0	3	6
BGE306	Biochemistry II	3+0+0	3	6	MBG306	Biochemistry II	3+0+0	3	6
MBG309	Biopython	2+0+2	3	6	MBG309*2	Introduction to Programming via Python	2+2+0	3	6
BIO207*1	Programming Languages	2+0+2	3	7	MBG309*2	Introduction to Programming via Python	2+2+0	3	6
BGE209	Bio-Python	2+0+2	3	5	MBG309*2	Introduction to Programming via Python	2+2+0	3	6
MBG309*1	Biopython	2+2+0	3	6	MBG309*2	Introduction to Programming via Python	2+2+0	3	6
BGE303	Molecular Modeling and Simulation	3+0+0	3	6	MBG320	Molecular Modeling and Simulation	3+0+0	3	5
BIO301*1	Cell Biology and Genetics I	3+0+2	4	8	MBG321	Molecular Biology and Genetics I	3+0+2	4	6
BGE301	Cell Biology and Genetics I	3+0+0	3	8	MBG321	Molecular Biology and Genetics I	3+0+2	4	6
BIO302*1	Cell Biology and Genetics II	3+0+2	4	9	MBG322*1	Molecular Biology and Genetics II	3+0+2	4	6
BGE302	Cell Biology and Genetics II	3+0+0	3	8	MBG322*1	Molecular Biology and Genetics II	3+0+2	4	6
BGE403	Recent Advances in Genetics	3+0+0	3	6	MBG401	Modern Techniques in Molecular Biology	3+0+0	3	5
BIO403	Recent Advances in Genetics	3+0+0	3	6	MBG401	Modern Techniques in Molecular Biology	3+0+0	3	5
MBG403	Advanced Genetics	3+0+0	3	6	MBG401	Modern Techniques in Molecular Biology	3+0+0	3	5
MBG402	Genomics	3+0+0	3	6	MBG406	Omics	3+0+0	3	5
BGE401	Genomics and Proteomics	3+0+2	3	6	MBG406	Omics	3+0+0	3	5
MBG411	Graduate Project I	2+2+0	3	6	MBG411*1	Graduate Project I	0+6+0	3	10
BIO411	Graduate Project I	0+4+0	2	6	MBG411*1	Graduate Project I	0+6+0	3	10
BGE411	Graduate Project I	0+4+0	4	8	MBG411*1	Graduate Project I	0+6+0	3	10
MBG412	Graduate Project II	0+8+0	4	10	MBG412*1	Graduate Project II	0+6+0	3	10
BIO412	Graduate Project II	0+4+0	2	6	MBG412*1	Graduate Project II	0+6+0	3	10
BGE412	Graduate Project II	0+4+0	2	8	MBG412*1	Graduate Project II	0+6+0	3	10
BIO402	Computer Aided Drug Design	3+0+0	3	6	MBG432	Computer Aided Drug Design	3+0+0	3	5
BGE402	Computer Aided Drug Design	3+0+0	3	6	MBG432	Computer Aided Drug Design	3+0+0	3	5
BGE407	Computational Structural Biology	3+0+0	3	6	MBG433	Cancer Biology	3+0+0	3	5
MBG409	Neuroscience	3+0+0	3	7	MBG433	Cancer Biology	3+0+0	3	5
TD101	Turkish Language I	2+0+0	2	1	TLL101	Critical Reading and Writing in Turkish I	2+0+0	2	3
TD102	Turkish Language II	2+0+0	2	1	TLL102	Critical Reading and Writing in Turkish II	2+0+0	2	3