

<b>BIOINFORMATICS MINOR PROGRAM (DEPARTMENT OF MOLECULAR BIOLOGY AND GENETICS)</b>		
<b>Course Code</b>	<b>Course Name</b>	<b>ECTS</b>
MBG309	Biopython	6
MBG304	Introduction to Bioinformatics	5
INE313	İstatistiksel Karar Verme	6
MBG318	Protein Folding	5
MBG428	Structural Bioinformatics	5
MBG320	Molecular Modeling and Simulation	5
CMPE304	Graph Theory	5
MBG427	Bioinformatics and Sequence Analysis	5
MBG402	Genomics	6
CMPE242	Data Structures and Algorithms	6
MBG423	Statistical Thermodynamic	5
MBG319	Pharmacophore Modeling	5
MBG426	Complex Systems	5
MBG429	Proteins in Action	5
BIO511	Bioinformatics	7,5
BIO510	Computer Aided Drug Design	7,5
CMPE201	Discrete Computational Structures	6
INE425	Stochastic Processes	6
CMPE470	Artificial Intelligence	5
CMPE475	Machine Learning	5
CMPE415	Cloud Infrastructure and Services	5
MIS323	Database Design and Management for Business	6
MIS456	Protection of Personal Data and Technical Measures	5
IT406	Data Mining Applications	6
MIS311	Decision Support Systems	6
8 courses will be taken in total, 7 courses from the green field are compulsory (green color) and 1 is optional from the other remaining courses. The program can be completed with a total of minimum 42 ECTS.		
<b>GRANDE TOTAL: 42 ECTS</b>		