

Course and Program Outcomes Matrix

Course Code	Course Name	Program Outcomes												
		1	2	3	4	5	6	7	8	9	10	11	12	13
1st Year - 1st Semester														
PHY101	General Physics I	5	-	-	-	-	-	-	-	-	-	4	-	2
MTH101	Calculus I	-	-	-	-	-	-	-	3	3	3	-	-	2
ENG101	English I	-	-	-	-	-	-	-	1	-	-	1	-	2
BIOE101	Introduction to Bioengineering	5	2	-	2	-	-	-	-	-	-	-	-	2
CHM104	Chemistry For Biological Sciences	5	-	3	-	-	-	-	-	-	-	-	-	2
ECC107	Biology	1	2	4	5	-	3	-	-	-	-	-	-	2
NTE	Non-Technical electives KTK/CHC 100	-	-	-	-	-	-	-	3	3	3	-	-	2
1st Year - 2nd Semester														
PHY102	General Physics II	5	4	3	2	-	3	-	-	-	-	4	-	2
MTH102	Calculus II	1	-	2	1	-	2	-	-	-	2	2	-	2
ENG102	English II	5	2	-	2	-	-	-	-	-	-	-	-	2
MTH113	Linear Algebra	5	2	2	1	4	1	-	-	-	-	-	-	2
CHM122	Organic Chemistry	1	3	3	5	-	3	-	-	-	-	-	-	2
2nd Year - 1st Semester														
ECC217	Microbiology	4	4	3	4	-	-	-	-	-	-	-	1	2
BME102	Biochemistry	-	4	5	4	4	-	-	-	-	-	-	1	2
ENG201	Communication Skills	5	3	3	2	3	1	-	-	-	-	-	5	-
BIOE205	Principles and Applications of Ecology	5	2	-	2	-	-	-	-	-	-	-	-	-
NTE	Nontechnical Electives	4	4	3	4	-	-	-	-	-	-	-	-	-
YIT101	Turkish for Foreign Students I	-	4	5	4	4	-	-	-	-	-	-	4	1
AIT103	Principles of Atatürk and the History of Turkish Revolution I	-	3	3	2	3	1	-	-	-	-	-	1	2

2nd Year - 2nd Semester														
BIOE202	Polymer TechnologiesPolimerTeknolojileri	1	3	3	5	1	2	-	-	-	-	-	1	-
BME250	Biostatistics	3	3	4	4	4	-	-	-	-	-	-	-	-
BIOE200	Internship I	-	-	-	-	-	-	-	-	-	-	4	3	1
BIOE204	Thermodynamics	5	2	-	2	-	-	-	-	-	-	-	-	2
BIOE208	Genetics	-	4	3	-	2	-	5	-	-	-	-	2	2
YIT102	Turkish for Foreign Students II	1	3	3	5	1	2	-	-	-	-	-	5	1
AIT104	Principles of Atatürk and the History of Turkish Revolution II	1	3	3	5	1	2	-	-	-	-	-	1	5
3rd Year - 1st Semester														
BME202	Biomaterials	5	4	3	2	2	2	-	-	-	-	-	-	2
BME301	Biomedical Sensors	4	4	4	3	3	2	-	-	-	-	-	-	2
ECC106	Introduction to Computers and Programming	2	3	3	3	2	-	-	-	-	-	-	2	2
BME320	Biomechanics	5	2	-	2	-	-	-	-	-	-	-	-	-
BIOE301	Mass and Heat transfer	-	2	5	2	-	4	-	-	-	-	-	-	2
3rd Year - 2nd Semester														
BIOE302	Bioenergy Resources	1	5	2	3	-	2	-	-	-	-	-	-	1
BIOE304	Nanotechnology	-	5	2	4	4	-	-	-	-	-	-	-	2
BIOE306	System Design on Bioengineering	5	4	4	-	2	-	-	-	-	-	-	-	3
BME300	Internship II	5	4	1	4	3	-	-	-	-	-	-	3	3
BME340	Modeling of Biological Systems	5	2	-	2	-	-	-	-	-	-	-	-	-
BME321	Artificial Organs	3	2	-	2	-	-	3	4	-	-	4	-	3
4th Year - 1st Semester														
BIOE400	Graduation Project I	-	-	2	-	2	5	-	2	2	2	-	3	3
BME401	Instrumental Analysis	-	-	-	-	-	-	-	-	-	-	2	-	-
TE	Technical Elective	-	-	-	-	-	-	-	-	-	-	2	1	1

ECC413	Introduction to Artificial Intelligence	4	3	4	3	-	-	-	-	-	-	-	1	4
ECC419	Digital Image Processing	2	2	3	2	2	4	-	1	-	-	-	-	-
ECC426	Economics for Engineers	3	3	4	3	4	3	-	-	-	-	2	-	-
ECC427	Management for Engineers	3	3	4	3	4	3	-	-	-	-	2	-	-
MAN101	Introduction to Management	-	1	3	5	-	-	-	-	3	-	-	-	-
ECON101	Introduction to Economics	-	2	3	4	-	3	-	-	-	-	-	-	-
FRE101	French I	-	5	4	-	-	4	-	-	-	-	-	1	-
FRE102	French II	4	4	4	5	2	-	-	-	-	-	-	1	-
GER101	German I	4	5	-	3	1	-	-	-	-	-	-	1	-
GER102	German II	3	3	3	3	3	-	-	-	-	-	-	1	-
ARB101	Arabic	4	3	4	4	-	-	-	-	-	-	-	1	-
GRE101	Greek	3	4	4	4	3	2	1	1	2	3	2	1	-
RUS101	Russian	4	3	4	4	-	3	-	-	-	-	-	1	-
DBT301	Debate Club	1	3	3	4	-	-	-	-	-	-	-	5	-
PHIL101	Introduction to Philosophy	1	4	5	3	-	-	-	-	-	-	-	-	-
Second Foreign Languages														
FRA101	French I	Please Select a Language												
ALM101	German I	Please Select a Language												
ARB101	Arabic	Please Select a Language												

* 1 Lowest, 2 Low, 3 Average, 4 High, 5 Highest