

Fen Bilimleri Enstitüsü
Biyomühendislik (İngilizce) / Biyomühendislik (İngilizce)
Doktora

Genel Toplam Ders Adedi :8 T : 24 U : Kredi : 60 ECTS : 60 T+U : 24

1. YARIYIL					
No	Ders Kodu	Ders Adı	T	U	Kredi ECTS
1	BIOE-ELC1..4-DR	Elective -1..4 (Ders 1) <small>[Bu ders BIOE-ELC1..4-DR ders grubundan alınacaktır, aşağıya bakınız]</small>	3	0	8 8
2	BIOE-ELC1..4-DR	Elective -1..4 (Ders 2) <small>[Bu ders BIOE-ELC1..4-DR ders grubundan alınacaktır, aşağıya bakınız]</small>	3	0	8 8
3	BIOE-ELC1..4-DR	Elective -1..4 (Ders 3) <small>[Bu ders BIOE-ELC1..4-DR ders grubundan alınacaktır, aşağıya bakınız]</small>	3	0	8 8
4	BIOE-ELC1..4-DR	Elective -1..4 (Ders 4) <small>[Bu ders BIOE-ELC1..4-DR ders grubundan alınacaktır, aşağıya bakınız]</small>	3	0	8 8
Toplam			12	0	32 32

2. YARIYIL					
No	Ders Kodu	Ders Adı	T	U	Kredi ECTS
1	BIOE-ELC5,6,7-DR	Elective -5-6-7 (Ders 1) <small>[Bu ders BIOE-ELC5,6,7-DR ders grubundan alınacaktır, aşağıya bakınız]</small>	3	0	8 8
2	BIOE-ELC5,6,7-DR	Elective -5-6-7 (Ders 2) <small>[Bu ders BIOE-ELC5,6,7-DR ders grubundan alınacaktır, aşağıya bakınız]</small>	3	0	8 8
3	BIOE-ELC5,6,7-DR	Elective -5-6-7 (Ders 3) <small>[Bu ders BIOE-ELC5,6,7-DR ders grubundan alınacaktır, aşağıya bakınız]</small>	3	0	8 8
4	FBE-ES	Enstitü Seçimlik (Ders 1) <small>[Bu ders FBE-ES ders grubundan alınacaktır, aşağıya bakınız]</small>	3	0	4 4
Toplam			12	0	28 28

Fen Bilimleri Enstitüsü
Biyomühendislik (İngilizce) / Biyomühendislik (İngilizce)
Doktora

Genel Toplam Ders Adedi :8 T : 24 U : Kredi : 60 ECTS : 60 T+U : 24

BIOE-ELC1..4-DR						
No	Ders Kodu	Ders Adı	T	U	Kredi	ECTS
1	BIOE8001	Metabolomics	3	0	8	8
2	BIOE8002	Functional Glycomics	3	0	8	8
3	BIOE8003	Structural and Functional Genomics	3	0	8	8
4	BIOE8004	Agricultural Biotechnology	3	0	8	8
5	BIOE8005	Molecular Plant Breeding	3	0	8	8
6	BIOE8016	Advanced Biochemistry	3	0	8	8
7	BIOE8018	Functional Genomics	3	0	8	8
8	BIOE8023	Environmental Bioengineering	3	0	8	8
9	BIOE8024	Biochemical Engineering and New Bioprocess Challenges	3	0	8	8
10	BIOE8025	Drug Delivery Systems I	3	0	8	8
11	BIOE8026	Drug Delivery Systems II	3	0	8	8
12	BIOE8028	Advanced Molecular Dynamics of Proteins	3	0	8	8
13	BIOE8029	Two Dimensional Electrophoresis and Mass Spectrometry	3	0	8	8
14	BIOE8030	Statistical Bioinformatics	3	0	8	8
15	BIOE8035	Nanomaterials and Applications	3	0	8	8
16	BIOE8038	Computational Molecular Biology	3	0	8	8
17	BIOE8039	Metabolic Engineering	3	0	8	8
18	BIOE8040	Bioprocess Optimization	3	0	8	8
19	BIOE8043	Advanced Biomaterials	3	0	8	8
20	BIOE8047	Biological Networks Theory	3	0	8	8
21	BIOE8050	Modern Control Theory	3	0	8	8
22	BIOE8053	Mutagenesis and Gene Therapy	3	0	8	8
23	BIOE8055	Methods in Biotechnology	3	0	8	8
24	BIOE8057	Physiology for Bioengineers	3	0	8	8
25	BIOE8058	Regulation of Gene Expression	3	0	8	8
26	BIOE8061	Molecular Genetics	3	0	8	8
27	BIOE8063	Signal Transduction	3	0	8	8
28	BIOE8066	Proteins: Structure and Function	3	0	8	8
29	BIOE8067	Appraisal and Application of Life Sciences	3	0	8	8
30	BIOE8070	Computational Structural Biology	3	0	8	8
31	BIOE8072	Human Genetics	3	0	8	8
32	BIOE8074	Biodegradable Polymers	3	0	8	8
33	BIOE8076	Advanced Biotechniques	3	0	8	8
34	BIOE8079	Bioprocess Design and Implementation	3	0	8	8
35	BIOE8082	Bioprocess Validation	3	0	8	8
36	BIOE8086	Management of Bioprocess Ventures	3	0	8	8
37	BIOE8089	Planning and Management of Research	3	0	8	8
38	BIOE8095	Advanced Topics in Bioengineering I	3	0	8	8
39	BIOE8096	Advanced Topics in Bioengineering II	3	0	8	8

BIOE-ELC5,6,7-DR						
No	Ders Kodu	Ders Adı	T	U	Kredi	ECTS
1	BIOE8001	Metabolomics	3	0	8	8
2	BIOE8002	Functional Glycomics	3	0	8	8
3	BIOE8003	Structural and Functional Genomics	3	0	8	8
4	BIOE8004	Agricultural Biotechnology	3	0	8	8
5	BIOE8005	Molecular Plant Breeding	3	0	8	8
6	BIOE8016	Advanced Biochemistry	3	0	8	8
7	BIOE8018	Functional Genomics	3	0	8	8
8	BIOE8023	Environmental Bioengineering	3	0	8	8
9	BIOE8024	Biochemical Engineering and New Bioprocess Challenges	3	0	8	8
10	BIOE8025	Drug Delivery Systems I	3	0	8	8
11	BIOE8026	Drug Delivery Systems II	3	0	8	8
12	BIOE8028	Advanced Molecular Dynamics of Proteins	3	0	8	8
13	BIOE8029	Two Dimensional Electrophoresis and Mass Spectrometry	3	0	8	8
14	BIOE8030	Statistical Bioinformatics	3	0	8	8
15	BIOE8035	Nanomaterials and Applications	3	0	8	8
16	BIOE8038	Computational Molecular Biology	3	0	8	8
17	BIOE8039	Metabolic Engineering	3	0	8	8
18	BIOE8040	Bioprocess Optimization	3	0	8	8
19	BIOE8043	Advanced Biomaterials	3	0	8	8
20	BIOE8047	Biological Networks Theory	3	0	8	8
21	BIOE8050	Modern Control Theory	3	0	8	8
22	BIOE8053	Mutagenesis and Gene Therapy	3	0	8	8
23	BIOE8055	Methods in Biotechnology	3	0	8	8
24	BIOE8057	Physiology for Bioengineers	3	0	8	8
25	BIOE8058	Regulation of Gene Expression	3	0	8	8
26	BIOE8061	Molecular Genetics	3	0	8	8
27	BIOE8063	Signal Transduction	3	0	8	8
28	BIOE8066	Proteins: Structure and Function	3	0	8	8
29	BIOE8067	Appraisal and Application of Life Sciences	3	0	8	8
30	BIOE8070	Computational Structural Biology	3	0	8	8
31	BIOE8072	Human Genetics	3	0	8	8
32	BIOE8074	Biodegradable Polymers	3	0	8	8
33	BIOE8076	Advanced Biotechniques	3	0	8	8
34	BIOE8079	Bioprocess Design and Implementation	3	0	8	8
35	BIOE8082	Bioprocess Validation	3	0	8	8
36	BIOE8086	Management of Bioprocess Ventures	3	0	8	8
37	BIOE8089	Planning and Management of Research	3	0	8	8
38	BIOE8095	Advanced Topics in Bioengineering I	3	0	8	8
39	BIOE8096	Advanced Topics in Bioengineering II	3	0	8	8

FBE-ES						
No	Ders Kodu	Ders Adı	T	U	Kredi	ECTS
1	FBE8001	İleri Araştırma Metodları	3	0	4	4
2	FBE8002	Advanced Research Methods	3	0	4	4
3	FBE8003	Fen ve Mühendislikte Öğretim ve Öğrenme	3	0	4	4
4	FBE8004	Teaching and learning in Science and Engineering	30	0	4	4