

Ege University
DEPARTMENT OF CHEMICAL ENGINEERING UNDERGRADUATE CURRICULUM
2023 - 2024 Öğretim Yılı Eğitim Planı

FIRST SEMESTER					SECOND SEMESTER				
		T	U	AKTS			T	U	AKTS
		Saat/Hafta					Saat/Hafta		
Cal 103	Calculus-I	3	2	7	Cal 104	Calculus-II	3	2	7
ChE 105	Chemistry-I	2	2	4	ChE 104	Physics	3	1	4
ChE 107	Computer (Basic Skills in Com)	0	3	4	ChE 106	Chemistry-II	2	2	3
ChE 115	Engineering Mechanics	3	1	5	ChE 109	Orientation to Chemical Eng.	2	0	2
ChE 117	Strategies In Problem Solving	3	0	4	ChE 112	Computer Programming	2	2	4
ChE 123	Career Planning	1	0	2	ChE 114	Chemistry Laboratory	0	2	3
OMY 121	Turkish Language-I	2	0	2	ChE 116	Technical Communication	3	0	3
OMY 119	Principles Of Atatürk And Recent Turkish History-I	2	0	2	OMY 118	Principles Of Atatürk And Recent Turkish History-II	2	0	2
					OMY 120	Turkish Language-II	2	0	2
Total		16	8	30	Total		19	9	30
THIRD SEMESTER					FOURTH SEMESTER				
		T	U	AKTS			T	U	AKTS
		Saat/Hafta					Saat/Hafta		
ChE 201	Analytical Methods in Chem. E.	3	1	5	ChE 203	Community Service Activities	1	0	1
ChE 209	Chemical Process Calculations	4	1	6	ChE 202	Numerical Methods in Chem. Eng.	3	1	5
ChE 211	Organic Chemistry	3	0	4	ChE 210	Fluid Mechanics	4	1	6
ChE 213	Practical Training-I	0	0	3	ChE 213	Practical Training-I	0	0	3
ChE 215	Molecular Transport	2	1	5	ChE 214	Physical Chemistry	2	1	4
ChE 219	Thermodynamics	3	1	5	ChE 216	Chem. Eng. Thermodynamics	2	1	5
ChE 223	Quality Management System And Assurance Standards	2	0	2	ChE 218	Materials Science	2	0	3
Pedagojik Formasyon Seçmeli Ders Grubu - I (İsteğe Bağlı)					ChE 220	Conceptual Design-I	1	0	3
					Pedagojik Formasyon Seçmeli Ders Grubu - I (İsteğe Bağlı)				
Total		17	4	30	Total		15	4	30
FIFTH SEMESTER					SIXTH SEMESTER				
		T	U	AKTS			T	U	AKTS
		Saat/Hafta					Saat/Hafta		
ChE 301	Heat Transfer Processes	4	2	5	ChE 302	Separation Processes	2	1	3
ChE 303	Mass Transfer Processes	4	1	5	ChE 304	Chemical Engineering Economics	2	1	3
ChE 307	Instrumental Analysis	2	2	3	ChE 306	Occupational Health And Safety II	2	0	2
ChE 311	Economics	2	0	2	ChE 310	Chem. Engineering Laboratory-I	1	4	7
ChE 323	Practical Training-II	0	0	3	ChE 323	Practical Training-II	0	0	3
ChE 345	Reaction Engineering-I	2	1	4	ChE 384	Reaction Engineering-II	3	1	4
ChE 359	Occup. Health and Safety I	2	0	2	ChE 386	Conceptual Design-II	1	0	2
	Restricted Elective-I	2	0	3		Engineering Elective-I	2	0	3
	University Elective Course-I	2	0	3		University Elective Course-II	2	0	3
Pedagojik Formasyon Seçmeli Ders Grubu - III (İsteğe Bağlı)					Pedagojik Formasyon Seçmeli Ders Grubu - IV (İsteğe Bağlı)				
Total		20	6	30	Total		15	7	30
SEVENTH SEMESTER					EIGHTH SEMESTER				
		T	U	AKTS			T	U	AKTS
		Saat/Hafta					Saat/Hafta		
ChE 400	Diploma Project	0	4	7	ChE 400	Diploma Project	0	4	7
ChE 801	Chem. Engineering Design **	3	1	8	ChE 801	Chemical Engineering Design **	3	1	8
ChE 403	Chem. Eng. Laboratory-II	1	4	7	ChE 402	Process Control	3	1	5
ChE 405	Inorganic Process Technology	2	0	2	ChE 404	Organic Process Technology	3	0	4
ChE 407	Modelling And Simulation	2	1	3	ChE 800	Diploma Project	0	8	14
ChE 847	Diploma Project	0	8	14		Engineering Elective-III	2	0	3
	Engineering Elective-II	2	0	3		Restricted Elective-II	2	0	3
Pedagojik Formasyon Seçmeli Ders Grubu - V (İsteğe Bağlı)					Pedagojik Formasyon Seçmeli Ders Grubu - VI (İsteğe Bağlı)				
Total		10	10(14)	30	Total		13	6(10)	30

T: Teorik

U: Uygulama

AKTS: Avrupa Kredi Transfer Sistemi

** Yıllık Ders