ELECTIVES (SEÇMELİ)	TERM	TRACK AREAS (UZMANLIK ALANLARI)				
		Product and Process Engineering(Ürün ve Süreç Mühendisliği)	**Biotechnology ve Biyoproses Engineering (Biyoteknoloji ve Biyoproses Mühendisliği)**	**Environmental and Energy Technologies(Çevre ve Enerji Teknolojileri)**		**Materials and Surface Science(Malzeme ve Yüzey Bilimi)**
Restricted (Sınırlı)	**3rd or 4th**	**CHE 232** Chemical Processing of Petroleum	**CHE 213** Microbiology **CHE 223** Molecular and Cell Biology	**Energy** **CHE 240** Combustion Science **CHE 230** Potential Sources of Energy	**Environmental** **CHE 226** Introduction to Environmental Engineering **CHE 219** Environmental Chemistry	**CHE 211** Introduction Polymer Science **CHE 228** Structure and Properties of Polymers **CHE 234** Polymer Chemistry
Technical (Teknik)	**7th 8th**	**CHE 360** Molecular Aspects of Chemical Engineering, **CHE 362** Interfacial Transport Processes and Rheology **CHE 364** Phase Equilibria **CHE 384** Global Sustainability **CHE 423** Petrochemical Processing **CHE424** Biomass Convesion to Chemicals and Fuels** **CHE 446** *Drying* **CHE 448** Novel Separation Techniques **CHE 449** Membrane Processes and Separation of Mixtures **CHE 450** *Gas Purification Technology(FO)* **CHE 451** Rheology of Non- newtonion Fluids **CHE 452** Heterogeneous Catalysis and Catalytic Processes , **CHE 453** Multicomponent Separation **CHE 454** Reactor Design **CHE 456** Heat Transfer Equipment **CHE 458** Industrial Organization and Management **CHE 460** Catalytic Reaction **CHE 463** *Adsorption*	**CHE 366** Industrial Microbiology **CHE368** Cell Culture Techniques **CHE 370** Molecular Engineering Aspects of Biotechnology **CHE 372** Physical Aspects of Biological Systems **CHE 384** Global Sustainability **CHE 425** Biochemical Engineering **CHE 455** Process Design for Biotechnology **CHE 457** Metabolic and Cell Engineering **CHE 459** Special Topics in Biotechnology **CHE 462** Enzyme Technology **CHE 464** Separation and Purification Processes for Biochemical Products	**CHE 338** Photovoltaics **CHE 346** Energy Management **CHE 348** Energy Conservation and Conversion **CHE 350** Introduction to Process Integration **CHE 352** Energy Technology **CHE 354** Combustion Engineering **CHE 384** Global Sustainability **CHE 424** Biomass Conversion to Chemicals and Fuels** **CHE 427** Flames **CHE 429** Radioactive Transfer **CHE 431** Sustainable Energy **CHE 433** Solar Energy Technology	**CHE 336** Pollution Prevention **CHE 356** Industrial Water Treatment Technologies **CHE 358** Solid Waste Disposal **CHE 384** Global Sustainability **CHE 435** Fundamentals of Air Pollution and Control **CHE 442** Water Pollution Control Process **CHE 444** Environment and Technology **CHE 445 I**ndustrial and Hazardous Waste Treatment **CHE 450** Industrial and Hazardous Waste Treatment	**CHE 332** Polymer Technology **CHE 334** Composite Materials Processing **CHE 340** Principles of Electrochemical Processes **CHE 342** Material Characterization Techniques **CHE 344** Inorganic Polymers **CHE 361** Catalytic Materials **CHE 384** Global Sustainability **CHE 437** Ceramic Science and Technology **CHE 439** Biomaterials **CHE 440** Reactive Processing of Materials **CHE 441** Structure of Macromolecular Media and Technology **CHE 443** Mechanical Properties of Materials **CHE 470** Introduction to Soft Matter

***: En az bir dersi diğer alandan seçmelidir. **: Farklı iki alana da uygun olan dersler.**

ELECTIVES (SEÇMELİ)	TERM	TRACK AREAS (UZMANLIK ALANLARI)				
		Product and Process Engineering(Ürün ve Süreç Mühendisliği)	**Biotechnology ve Biyoproses Engineering (Biyoteknoloji ve Biyoproses Mühendisliği)**	**Environmental and Energy Technologies(Çevre ve Enerji Teknolojileri)**		**Materials and Surface Science(Malzeme ve Yüzey Bilimi)**
Graduate Course		**CHE 505** Transport Phenomena **CHE 518** Adsorption** **CHE 520** Material Concepts in Catalysis** **CHE 527** Nonlinear Phenomena **CHE 531** Characterization and Processing of Particles **CHE 533** Mass Transport in Environmental Engineering** **CHE 534** Advanced Mass Transfer **CHE 567** CO_2 Sequestration** **CHE 588** Advanced Process Control **CHE 594** Zeolite: Synthesis, Modification and Catalytic Application** **FE 536** Experimental Design **FE 538** Bioprocess Engineering Principles** **BTEC508** Fundamentals of Biotechnology**	**FE 515** Food Additives, Contaminants, and Toxicology **FE 516** Sensory Evaluation of Foods **FE 538** Bioprocess Engineering Principles** **BTEC508** Fundamentals of Biotechnology**		**CHE 533** Mass Transport in Environmental Engineering** **CHE 539** Indoor Air Pollution **CHE 567** CO2 Sequestration** **ME 427** Introduction to Renewable Energy Sources	**CHE 511** Polymer Physics **CHE 518** Adsorption** **CHE 520** Material Concepts in Catalysis** **CHE 531** Characterization and Processing of Particles **CHE 594** Zeolite: Synthesis, Modification and Catalytic Application** **MSE 510** Scanning Probe and Electron Microscopy **MSE 516** Nanomaterials and Surface Engineering **ME 455** Mechanical Vibrations

***: En az bir dersi diğer alandan seçmelidir. **: Farklı iki alana da uygun olan dersler.**