

1ST GRADE FALL SEMESTER							
			Theory	Application	Lab	Credit	ECTS
FIZ111	GENERAL PHYSICS I	Z	4	0	0	4	5
CHEM.101	GENERAL CHEMISTRY I	Z	6	0	0	6	6
CHEM.103	GENERAL CHEMISTRY LAB I	Z	0	0	4	2	4
MAT101	ANALYSIS I	Z	4	0	0	4	5
TRD109	TURKISH LANGUAGE	Z	2	0	0	2	2
YDI107	ENGLISH	Z	2	0	0	2	2
FIZ105	GENERAL PHYSICS LAB I	Z	0	0	2	1	2
	Elective-1	S	2	0	0	2	4
CHEM. 113	LABORATORY TECHNIQUES AND SAFETY						
CHEM. 115	SOURCE SCANNING AND REPORT PREPARATION						
			20	0	6		30
						23	30

1ST GRADE SPRING SEMESTER							
			Theory	Application	lab	Credit	ECTS
FIZ112	GENERAL PHYSICS II	Z	4	0	0	4	5
CHEM.102	GENERAL CHEMISTRY II	Z	6	0	0	6	7
CHEM.104	GENERAL CHEMISTRY LAB II	Z	0	0	4	2	4
MAT102	ANALYSIS II	Z	4	0	0	4	5
TRD110	TURKISH LANGUAGE	Z	2	0	0	2	2
YDI108	ENGLISH	Z	2	0	0	2	2
FIZ106	GENERAL PHYSICS LAB II	Z	0	0	2	1	2
	Elective-1 (Outside the Field)	S	2	0	0	2	3
OHS 101	OCCUPATIONAL HEALTH AND SAFETY						
SBD 297	EFFECTIVE COMMUNICATION						
			20	0	6		30
						23	30

2ND GRADE FALL SEMESTER							
			Theory	Application	Lab	Credit	ECTS
AIT209	ATATURK'S FIRST AND REVOLUTION HISTORY	Z	2	0	0	2	2
CHEM221	ANALYTICAL CHEMISTRY I	Z	4	0	0	4	5
CHEM.223	ANALYTICAL CHEMISTRY LAB. I	Z	0	0	4	2	4
CHEM225	COMPUTER APPLICATIONS FOR CHEMISTS .	Z	2	0	0	2	3

CHEM.231	ORGANIC CHEMISTRY I	Z	4	0	0	4	5
MAT201	HIGHER MATHEMATICS	Z	3	0	0	3	4
YDI207	ENGLISH	Z	2	0	0	2	2
CHEM.227	INORGANIC CHEMISTRY I	Z	4	0	0	4	5
			21	0	4		30
						23	30

2ND GRADE SPRING SEMESTER							
			Theory	Application	Lab	Credit	ECTS
AIT202	ATATURK'S FIRST AND REVOLUTION HISTORY	Z	2	0	0	2	2
CHEM222	ANALYTICAL CHEMISTRY II	Z	4	0	0	4	5
CHEM.224	ANALYTICAL CHEMISTRY LAB. II	Z	0	0	4	2	4
CHEM.232	ORGANIC CHEMISTRY II	Z	4	0	0	4	5
YDI208	ENGLISH	Z	2	0	0	2	2
CHEM.228	INORGANIC CHEMISTRY II	Z	4	0	0	4	5
	Elective 1	S	2	0	0	2	4
CHEM.226	ORGANIC REACTION MECHANISMS						
CHEM.230	CLEAN ENERGY SOURCES						
	Elective -1 (Outside the Field)	S	2	0	0	2	3
YMH230	ARTIFICIAL INTELLIGENCE IN BASIC SCIENCES						
KEH213	SIGN LANGUAGE						
			18	0	4		30
						20	30

3RD GRADE FALL SEMESTER							
			Theory	Application	Lab	Credit	ECTS
CHEM.331	ORGANIC CHEMISTRY III	Z	4	0	0	4	5
CHEM.323	ANALYTICAL CHEMISTRY III	Z	2	0	0	2	3
CHEM.353	BIOINORGANIC CHEMISTRY	Z	2	0	0	2	2
CHEM.321	INSTRUMENTAL ANALYSIS I	Z	4	0	0	4	6
CHEM.333	ORGANIC CHEMISTRY LAB.I	Z	0	0	4	2	3
CHEM.341	PHYSICAL CHEMISTRY I	Z	4	0	0	4	4
CHEM.337	SPECTRO ORGANIC ANALYSIS	Z	2	0	0	2	3
	Elective-1	S	2	0	0	2	4
CHEM. 343	RESEARCH PROJECT						
CHEM. 345	FUEL CHEMISTRY						

CHEM. 347	<i>METALS CHEMISTRY</i>						
			20	0	4		30
						22	30

3RD GRADE SPRING SEMESTER							
			Theory	Application	Lab	Credit	ECTS
CHEM.324	INSTRUMENTAL ANALYSIS LAB	Z	0	0	4	2	4
CHEM.334	ORGANIC CHEMISTRY LAB.II	Z	0	0	4	2	3
CHEM.342	PHYSICAL CHEMISTRY II	Z	4	0	0	4	4
CHEM.340	POLYMER CHEMISTRY	Z	3	0	0	3	3
CHEM.344	INORGANIC CHEMISTRY LAB.	Z	0	0	4	2	4
	Elective 1	S	2	0	0	2	4
	Elective 2	S	2	0	0	2	4
	Elective 3	S	2	0	0	2	4
CHEM. 346	<i>COMPUTATIONAL ORGANIC CHEMISTRY</i>						
CHEM. 348	<i>FORENSIC CHEMISTRY</i>						
CHEM. 304	<i>FOOD CHEMISTRY</i>						
CHEM. 312	<i>PROFESSIONAL FOREIGN LANGUAGE</i>						
CHEM. 338	<i>REACTIVE INTERMEDIATES IN ORGANIC CHEMISTRY</i>						
CHEM. 350	<i>CARBONYL GROUP CHEMISTRY</i>						
CHEM. 356	<i>POLYMER TECHNOLOGY</i>						
			15	0	8		30
						19	30

4TH GRADE FALL SEMESTER							
			Theory	Application	Lab	Credit	ECTS
CHEM.401	SEMINAR	Z	0	2	0	1	2
CHEM.441	PHYSICAL CHEMISTRY III	Z	4	0	0	4	4
CHEM.461	BIOCHEMISTRY I	Z	4	0	0	4	4
CHEM.454	QUANTUM CHEMISTRY	Z	2	0	0	2	2
CHEM.451	POLYMER CHEMISTRY LABORATORY	Z	0	0	2	1	2
	Elective 1	S	2	0	0	2	4
	Elective 2	S	2	0	0	2	4

	Elective 3	S	2	0	0	2	4
	Elective 4	S	2	0	0	2	4
CHEM. 421	SPECTROSCOPY						
CHEM. 423	INDUSTRIAL SEPARATION METHODS						
CHEM. 432	DYE MATTER						
CHEM. 439	HETEROCYCLIC COMPOUNDS						
CHEM. 435	BIOORGANIC CHEMISTRY						
CHEM. 443	PLASTIC TECHNOLOGY						
CHEM. 459	PETROCHEMICALS						
CHEM. 455	COORDINATION CHEMISTRY						
CHEM. 425	PHYTOTHERAPY AND BIOCHEMISTRY						
CHEM. 427	POLYMER COMPOSITES						
CHEM. 429	CONDUCTIVE POLYMERS						
			14	2	6		30
						18	30

4TH GRADE SPRING SEMESTER							
			Theory	Application	Lab	Credit	ECTS
CHEM.450	FINAL ASSIGNMENT	Z	0	2	0	1	2
CHEM.464	BIOCHEMISTRY LABORATORY	Z	0	0	4	2	3
CHEM.462	BIOCHEMISTRY II	Z	4	0	0	4	4
CHEM. 442	Physical Chemistry Lab.	Z	0	0	4	2	3
CHEM. 444	Electrochemistry	Z	2	0	0	2	2
	Elective 1	S	2	0	0	2	4
	Elective 2	S	2	0	0	2	4
	Elective 3	S	2	0	0	2	4
	Elective 4	S	2	0	0	2	4
CHEM. 460	BIOTECHNOLOGY						

CHEM. 412	PROFESSIONAL FOREIGN LANGUAGE						
CHEM. 420	NUCLEAR CHEMISTRY						
CHEM. 432	DYE CHEMISTRY						
CHEM. 434	TEXTILE CHEMISTRY						
CHEM. 436	SOLID STATE CHEMISTRY						
CHEM. 438	STEREOCHEMISTRY						
CHEM. 458	TURKISH CHEMICAL INDUSTRIES						
CHEM. 460	BIOTECHNOLOGY						
CHEM. 422	CELL AND TISSUE CULTURE PREPARATION TECHNIQUES						
CHEM. 424	CLINICAL BIOCHEMISTRY						
CHEM. 426	NANOTECHNOLOGY						
CHEM.428	TOXICOLOGY						
CHEM. 430	POLYMERIC NANOMATERIALS						
			14	2	8		30
						19	30