

**ISTINYE UNIVERSITY  
(CHEMISTRY)**

1st SEMESTER					
CODE	COURSE	T	P	ECTS	Language of Instruction
ATA101	Ataturk's Principles and History of Turkish Revolution I	2	0	2	EN
CHEM101	General Chemistry I	4	0	5	EN
ENS101	Calculus I	2	2	5	EN
ENS103	Computational Thinking	3	2	6	EN
ENS105	Physics I	4	1	6	EN
SEG001	Manifest of İstinye 1	0	1	1	EN
	University Elective (English for Specific Purposes 1)	3	0	5	EN
<b>TOTAL</b>		<b>18</b>	<b>6</b>	<b>30</b>	

2nd SEMESTER					
CODE	COURSE	T	P	ECTS	Language of Instruction
ATA102	Ataturk's Principles and History of Turkish Revolution II	2	0	2	EN
CHEM102	General Chemistry II	4	2	7	EN
ENS106	Physics II	4	1	6	EN
ENS110	Calculus II	2	2	5	EN
SEG002	Manifest of İstinye 2	0	1	1	EN
	University Elective	3	0	5	EN
	University Elective (English for Specific Purposes 2)	3	0	5	EN
<b>TOTAL</b>		<b>18</b>	<b>6</b>	<b>31</b>	

3rd SEMESTER					
CODE	COURSE	T	P	ECTS	Language of Instruction
CHEM201	Organic Chemistry I	3	0	7	EN
CHEM203	Inorganic Chemistry I	4	0	6	EN
CHEM205	Mathematics for Chemists	2	2	7	EN
DIL101	Genel İngilizce I	2	0	2	EN
ENS107	Computer Literacy	2	2	4	EN
SEG003	Manifest of İstinye 3	0	1	1	EN
TRK101	Turkish Language 1	2	0	2	TR
<b>TOTAL</b>		<b>15</b>	<b>5</b>	<b>29</b>	

4th SEMESTER					
CODE	COURSE	T	P	ECTS	Language of Instruction
CHEM202	Organic Chemistry II	3	4	9	EN
CHEM204	Inorganic Chemistry II	3	3	6	EN
CHEM206	Scientific Research Methods	2	0	5	EN
DIL102	Genel İngilizce II	2	0	2	EN
SEG004	Manifest of İstinye 4	0	1	1	EN
TRK102	Turkish Language 2	2	0	2	TR
	University Elective	3	0	5	EN
<b>TOTAL</b>		<b>15</b>	<b>8</b>	<b>30</b>	

5rd SEMESTER					
CODE	COURSE	T	P	ECTS	Language of Instruction
CHEM301	Analytical Chemistry I	3	4	8	EN
CHEM303	Physical Chemistry I	3	0	6	EN
CHEM305	Organic Structure Analysis	3	0	6	EN
CHEM307	Community Service Practices	1	0	2	EN
	University Elective	3	0	5	EN
	Department Elective	2	0	3	EN
<b>TOTAL</b>		<b>15</b>	<b>4</b>	<b>30</b>	

6th SEMESTER					
CODE	COURSE	T	P	ECTS	Language of Instruction
CHEM302	Analytical Chemistry II	3	2	6	EN
CHEM304	Physical Chemistry II	2	2	6	EN
CHEM306	Instrumental Analysis I	3	2	6	EN
CHEM308	Chemical Substances and Toxicology	2	0	4	EN
	University Elective	3	0	5	EN
	Department Elective	2	0	3	EN
<b>TOTAL</b>		<b>15</b>	<b>6</b>	<b>30</b>	

7rd SEMESTER					
CODE	COURSE	T	P	ECTS	Language of Instruction
CHEM401	Instrumental Analysis II	3	2	7	EN
CHEM403	General Biochemistry	4	0	7	EN
CHEM405	Qualitative Organic Analysis	2	4	8	EN
CHEM407	Business Law, Occupational Health and Safety I	2	0	2	EN
	Department Elective	2	0	3	EN
	Department Elective	2	0	3	EN
<b>TOTAL</b>		<b>15</b>	<b>6</b>	<b>30</b>	

8th SEMESTER					
CODE	COURSE	T	P	ECTS	Language of Instruction
CHEM402	Graduation Project	2	8	19	EN
CHEM404	Business Law, Occupational Health and Safety II	2	0	2	EN
	Department Elective	2	0	3	EN
	Department Elective	2	0	3	EN
	Department Elective	2	0	3	EN
<b>TOTAL</b>		<b>10</b>	<b>8</b>	<b>30</b>	

**DESCRIPTION**

**T:** Theoric

**P:** Practice

**ECTS:** European Credit Transfer System

**Language of Instruction:** Defines the medium of the course regardless of the language of instruction of the department.

Elective Major Area Courses					
CODE	COURSE	T	P	ECTS	Language of Instruction
CHEM001	Coordination Chemistry	2	0	3	EN
CHEM002	Molecular Symmetry and Group Theory	2	0	3	EN
CHEM003	Macroyclic Compounds	2	0	3	EN
CHEM004	Polymer Chemistry	2	0	3	EN
CHEM005	Drug Chemistry	2	0	3	EN
CHEM006	Cosmetology	2	0	3	EN
CHEM007	Supramolecular Chemistry	2	0	3	EN