



Tafila Technical University
College of Science
Department of Chemistry and
Techno - Chemistry



Advisory Plan for B.SC. Degree in Techno - Chemistry Technology

First Academic Year - Techno - Chemistry Program							
The First Semester				The Second Semester			
Course Number	Course Name	NO. of Credit Hours	Pre-requisite	Course Number	Course Name	NO. of Credit Hours	Pre-requisite
0213105	Calculus 1	3	(1)	0213106	Calculus 2	3	0213105
0213107	General Chemistry 1	3	(3)	0205113	General Chemistry 2	3	0213107
0213108	General Chemistry Lab .1	1	0213107	0205114	General Chemistry Lab. 2	1	0205113
0213101	General Physics 1	3	(2)	0213102	General Physics 2	3	0213101
	Obligatory University Requirement	3		0213103	General Physics Lab. 1	1	0213101 ⁽⁴⁾
	University Elective Requirement	3		0213131	Principles of Statistics 1	3	None
				0213132	Principles of Statistics Lab.1	1	02013131 ⁽⁴⁾
					University Elective Requirement	3	
Total		16		Total		18	Total

(1) "High School Mathematics " or Prerequisite Mathematics 0213098.

(2) "High School Physics " or Prerequisite Physics 0213097.

(3) "High School Chemistry" or Prerequisite Chemistry 0213099.

(4) or concurrent



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Second Academic Year - Techno - Chemistry Program

The First Semester				The Second Semester			
Course Number	Course Name	NO. of Credit Hours	Pre-requisite	Course Number	Course Name	NO. of Credit Hours	Pre-requisite
0205251	Mathematics for Chemists	3	0213106	0213104	General Physics Lab. 2	1	0213102
0205234	Analytical Chemistry	3	0205113	0205213	Organic Chemistry 2	3	0205215 & 0205216 ⁽⁴⁾
0520523	Analytical Chemistry Lab.	1	0205114 & 0205234 ⁽⁴⁾	0205214	Organic Chemistry Lab. 2	2	0205213 & 0205216 ⁽⁴⁾
0205215	Organic Chemistry 1	3	0205113	0205221	Inorganic Chemistry 1	3	02013113 & 0205215
0205216	Organic chemistry Lab. 1	2	0205215 ⁽⁴⁾ & 0205114	0205252	Computer Applications in Chemistry	3	0205113 & 0205251
0205243	Physical Chemistry 1	3	0205251 & 0205113		Obligatory University Requirement	3	
	Obligatory University Requirement	3			Obligatory University Requirement	3	
Total		18		Total		18	

(4) or concurrent



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Third Academic Year - Techno - Chemistry Program

The First Semester				The Second Semester			
Course Number	Course Name	NO. of Credit Hours	Pre-requisite	Course Number	Course Name	NO. of Credit Hours	Pre-requisite
0205312	Organic Spectroscopy	3	0205216	0205313	Systematic Identification of Organic Compounds Lab.	2	0205214 & 0205311
0205324	Inorganic Chemistry 2	3	0205221 & 0205213	0205323	Organometallic Chemistry	3	0205216 & 0205324
0205331	Instrumental Analysis	3	0205234 & 0205216	0205325	Inorganic Chemistry lab.	2	0205324
0205332	Instrumental Analysis Lab.	2	0205234 & 0205331 ⁽⁴⁾	0205344	Physical Chemistry Lab. 2	1	0205245 & 0205341 ⁽⁴⁾
0205341	Physical Chemistry 2	3	0205243	0205311	Organic chemistry (3)	3	0205213
0205242	Physical Chemistry Lab. 1	1	0205114 & 0205243 ⁽⁴⁾		University Elective Requirement	3	
	Obligatory University Requirement	3			Obligatory University Requirement	3	
Total		18		Total		17	

(4) or concurrent



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Forth Academic Year - Techno - Chemistry Program

The First Semester				The Second Semester			
Course Number	Course Name	NO. of Credit Hours	Pre-requisite	Course Number	Course Name	NO. of Credit Hours	Pre-requisite
0204432	Industrial Analysis	3	0205331	0204431	Management and Industrial Methods	3	0205344 & 0205325
0204433	Industrial Analysis Laboratory	1	0204432 ⁽⁴⁾ & 0205332	0213109	General Biology 1	3	None
0204453	Practical Field Training	4	0205332 & 0205312	0205450	Chemical Process Technology	3	0205344 & 0205323
0205459	Graduation Project	2	0204453		Elective Specialization Requirement	4	
	Elective Specialization Requirement	3			Obligatory University Requirement	3	
Total		13		Total		16	