



Republic of IRAQ  
 Ministry of Higher Education and Scientific Research  
 Dept. of Chemistry-College of Science-University of Mosul  
 2021-2022



<b>First Year</b>							
<b>Second Course</b>				<b>First Course</b>			
<b>Course Credits</b>	<b>Practical Hours</b>	<b>Theoretical Hours</b>	<b>Courses</b>	<b>Course Credits</b>	<b>Practical Hours</b>	<b>Theoretical Hours</b>	<b>Courses</b>
3	2	3	Inorganic Chemistry	2		2	Inorganic Chemistry
2		2	Mathematics	2		2	Mathematics
3	2	2	Cell	3	2	2	Analytical Chemistry
3	2	2	Analytical Chemistry				
2		2	Geology	3	2	2	Physics
1		1	Democracy	1		1	Human Rights
1	2		Computer				
2		2	English Language	2		2	Arabic Language
				2		2	Safety and chemical security
<b>17</b>	<b>Second Course Credits</b>			<b>15</b>	<b>First Course Credits</b>		



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<b>Second Year</b>							
<b>Second Course</b>				<b>First Course</b>			
Course Credits	Practical Hours	Theoretical Hours	Courses	Course Credits	Practical Hours	Theoretical Hours	Courses
4	2	3	Organic Chemistry	4	2	3	Organic Chemistry
4	2	3	Physical Chemistry	4	2	3	Physical Chemistry
3.5	3	2	Analytical Chemistry	3.5	3	2	Analytical Chemistry
3	2	2	Inorganic Chemistry	3	2	2	Inorganic Chemistry
1		1	Chemical Hazards	2		2	Pollution
1		1	Mathematics	2		2	Mathematics
2	2		Computer	2	2		Computer
<b>17.5</b>	<b>Second Course Credits</b>			<b>19.5</b>	<b>First Course Credits</b>		
<b>Third Year</b>							
<b>Second Course</b>				<b>First Course</b>			
Course Credits	Practical Hours	Theoretical Hours	Courses	Course Credits	Practical Hours	Theoretical Hours	Courses
4.5	3	3	Physical Chemistry	4.5	3	3	Physical Chemistry
3.5	3	2	Organic Chemistry	3.5	3	2	Organic Chemistry
2		2	Industrial Chemistry	2		2	Industrial Chemistry
4	2	3	Biochemistry	4	2	3	Biochemistry
3	2	2	Inorganic Chemistry	3	2	2	Inorganic Chemistry
3.5	3	2	Separation Methods	1		1	Elective course
1		1	Elective	<b>18</b>	<b>First Course Credits</b>		
<b>21.5</b>	<b>Second Course Credits</b>						



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<b>Fourth Year</b>							
<b>Second Course</b>				<b>First Course</b>			
<b>Course Credits</b>	<b>Practical Hours</b>	<b>Theoretical Hours</b>	<b>Courses</b>	<b>Course Credits</b>	<b>Practical Hours</b>	<b>Theoretical Hours</b>	<b>Courses</b>
3	2	2	Polymer Chemistry	3	2	2	Polymer Chemistry
3	2	2	Petrochemicals	3	2	2	Petroleum Chemistry
3.5	3	2	Identification Compounds	3.5	3	2	Identification Compounds
4	2	3	Biochemistry	4	2	3	Biochemistry
3		3	Spectroscopy	3	2	2	Instrumental Analysis
2		1	Research project	3		3	Physical Chemistry
1		1	Elective	1		1	Elective
<b>19.5</b>	<b>Second Course Credits</b>			<b>20.5</b>	<b>First Course Credits</b>		