



Republic of IRAQ
 Ministry of Higher Education and Scientific Research
 Dept. of Chemistry-College of Science-University of Mosul
 2022-2023



First Year							
Second Course				First Course			
Course Credits	Practical Hours	Theoretical Hours	Courses	Course Credits	Practical Hours	Theoretical Hours	Courses
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
17	Second Course Credits			15	First Course Credits		

Second Year							
Second Course				First Course			
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
17.5	Second Course Credits			19.5	First Course Credits		



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Third Year							
Second Course				First Course			
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	18	First Course Credits		
21.5	Second Course Credits						

Fourth Year							
Second Course				First Course			
Course Credits	Practical Hours	Theoretical Hours	Courses	Course Credits	Practical Hours	Theoretical Hours	Courses
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
19.5	Second Course Credits			20.5	First Course Credits		