



University of Mosul
College of Science
Chemistry Department
2024-2025

Academic Program and Course Description Guide

نموذج وصف البرنامج الأكاديمي

اسم الجامعة: جامعة الموصل

الكلية/ المعهد: كلية العلوم

القسم العلمي: قسم الكيمياء

اسم البرنامج الأكاديمي او المهني: بكالوريوس علوم في الكيمياء

اسم الشهادة النهائية: بكالوريوس علوم في الكيمياء

النظام الدراسي: سنوي

 $2025 \ / \ 1 \ / \ 12$ تاريخ اعداد الوصف:

تاريخ ملء الملف: 1 / 12 / 2025

التوقيع

أ.د. مازن احمد عبد

ا التوقيع:

أ.د. سالم جاسم محمد صالح

دقق الملف من قبل

شعبة ضمان الجودة والأداء الجامعي

اسم مدير شعبة ضمان الجودة والأداء الجامعي: ٥٠ كحروى (كم المهالي

أ.د. هيام عادل ابراهيم مصادقة السيد العميد





Introduction:

The educational program is a well-planned set of courses that include procedures and experiences arranged in the form of an academic syllabus. Its main goal is to improve and build graduates' skills so they are ready for the job market. The program is reviewed and evaluated every year through internal or external audit procedures and programs like the External Examiner Program.

The academic program description is a short summary of the main features of the program and its courses. It shows what skills students are working to develop based on the program's goals. This description is very important because it is the main part of getting the program accredited, and it is written by the teaching staff together under the supervision of scientific committees in the scientific departments.





Academic program description form

Description of the academic program

This academic program description provides a necessary summary of the most important characteristics of the program and the learning outcomes expected of the student to achieve, demonstrating whether he has made the most of the available opportunities, and is accompanied by a description of each course within the program.

1- Educational institution	University of Mosul / College of Science				
2- University department/center	Chemistry				
3- Name of the academic program	National accreditation standards for colleges of science				
4- Name of the final certificate	Bachelor's degree (Chemistry Sciences)				
5- The academic system	courses				
6- Accredited accreditation program	National accreditation standards for colleges of science				
7- Date the description was prepared	12/1/2025				
8- Objectives of the academic program	Reaching the national classification				





Required educational outcomes and teaching, learning and evaluation methods:

Success in academic subjects for the four years + graduation research + summer training:

- A- Knowledge and understanding
- 1- Enabling the student to understand the subject of chemistry
- 2- The student should understand the nature of matter and its chemical composition
- 3- That the student understands the mechanisms of chemical reactions
- B- Subject-specific skills
- 1- Enables the student to teach chemistry
- 2- Enables the student to work in laboratories and health institutions
- 3- Enables the student to work in research institutions
- 4- Enables the student to work in the chemical and petroleum industries
- C- Thinking skills
- 1- Discussions
- 2- Duties
- 3- Laboratory reports
- 4-Scientific reports





Vision Statement

The Chemistry Department aims to be at the forefront of scientific departments that contribute to the development of scientific and technical competencies. It strives to become one of the leading and advanced departments in the field of education and scientific research by creating a robust educational environment based on modern scientific curricula that combines fundamentals with continuous development to serve society and achieve sustainable development. The department seeks to equip chemistry graduates with the ability to compete in the employment market, enabling students to explore new horizons in science and develop innovative solutions to contemporary challenges. We believe that education should be a medium for change as those who graduate from the Chemistry Department will be leaders in their fields, keeping pace with the remarkable advancements in scientific and technical research. Additionally, the department is committed to fostering a culture of creativity and innovation in the field of chemistry while maintaining a prominent level of responsibility to meet the demands of the job market.

Mission Statement

The Chemistry Department is committed to provide a unique educational experience aimed at equipping students with the knowledge and practical skills necessary to address diverse scientific challenges. The department also seeks to prepare students academically and practically in all areas of chemistry, enabling graduates to become pioneers in their fields. This could attained by enhancing their ability to think scientifically and solve problems innovatively, contributing to sustainable development and supplying the job market with qualified professionals. The department aims to provide society with scientific competencies and specialized personnel trained in modern chemical technologies.

Objectives

The Chemistry Department strives to achieve the following objectives:

- 1. **Fostering Innovation:** Enabling students to identify scientific problems and formulate them in new and unconventional ways, enhancing their innovation and scientific thinking skills.
- 2. **Linking Theory to Practice:** Providing students with opportunities to apply scientific knowledge in real-world situations, enabling them to effectively address field challenges.
- 3. **Improving the Quality of Scientific Research:** Teaching students how to design and conduct innovative scientific experiments, with a focus on comprehensive analysis of results and scientifically supported conclusions.





- 4. **Enhancing Creative Communication Skills:** Developing students' skills in effective communication, both orally and in writing, using new methods that allow them to express their ideas clearly and persuasively.
- 5. **Promoting Ethical Awareness:** Instilling a sense of ethical and professional responsibility in students, emphasizing the importance of adhering to ethical principles in all their scientific activities.
- 6. **Encouraging Effective Teamwork:** Fostering a spirit of collaboration and teamwork among students, enabling them to set common goals and plan activities innovatively.
- 7. **Integrating Modern Technology:** Promoting the use of modern technologies in teaching and learning, enabling students to utilize advanced technological tools including information technology in their scientific fields to achieve sustainable development goals.

Learning Outcomes

- 1. Ability to Identify Scientific Problems: Students can recognize and define various scientific problems clearly, using appropriate scientific concepts.
- 2. **Application of Scientific Knowledge:** Students can apply scientific principles to solve field problems and demonstrate the ability to provide effective solutions that meet societal needs.
- 3. **Conducting Scientific Experiments:** Students acquire the skills to design and conduct scientific experiments while ensuring quality and can analyze and interpret results accurately.
- 4. **Effective Communication Skills:** Students can communicate smoothly and effectively, both verbally and in writing, with various groups and administrative levels.
- 5. **Ethical and Professional Awareness:** Students possess a deep understanding of ethical and professional responsibilities and demonstrate a clear commitment to society in all their scientific activities.
- 6. **Teamwork:** Students can work effectively within scientific teams, with the ability to set common goals, plan activities, and manage risks.
- 7. **Keeping Pace with Technological Advancements:** Students acquire the necessary skills to keep up with developments in modern technologies, enabling them to use technological tools effectively in their fields.





Program Specification:

Program code:	BSc-Che	ECTS	240
Duration:	4 levels, 8 Semesters	Method of Attendance:	Full Time

Program Structure: A- Graduated Study:

Level	Semester	No.	Module Code	Module Name in English	SSWL	USSWL	SWL	ECTS
					hr/sem	hr/sem	hr/sem	
		1	CHE1101	Fundamentals of Analytical Chemistry and Qualitative Analysis	109	66	175	7.00
		2	CHE1102	Fundamentals of inorganic chemistry	79	71	150	6.00
	One	3	CHE1103	Physics	109	66	175	7.00
		4	UOM104	Democracy and Human Rights	34	16	50	2.00
		5	CHE1104	Chemical Security and Safety	79	71	150	6.00
UGI		6	UOM101	Arabic Language	34	16	50	2.00
		1	CHE1215	Volumetric Analytical Chemistry	109	91	200	8.00
		2	CHE1216	Ionic Compounds and Periodic table	109	91	200	8.00
	Two	3	Sci-1105	Mathematics	34	16	50	2.00
		4	CHE1207	Geology	94	81	175	7.00
		5	UOM103	Computer	49	26	75	3.00
		6	UOM102	English Language	34	16	50	2.00
UGII	Three	1	CHE2318	Gravimetric Analysis Chemistry	94	31	125	5.00
		2	CHE2319	Chemistry of Representative	79	46	125	5.00





	1 - 10							STATE STATE OF THE
				Elements				
		3	CHE23010	Thermodynamics	94	56	150	6.00
		4	CHE23011	Organic Chemistry 1	94	56	150	6.00
		5	CHE23012	Cytology	64	11	75	3.00
		6	CHE23113	Mathematics and Statistics	49	26	75	3.00
		7	UOM201	Baath Party crimes in Iraq	34	16	50	2.00
		1	CHE24114	Classical Separation Methods	94	56	150	6.00
		2	CHE24115	Solid State Chemistry	94	56	150	6.00
	Four	3	CHE24116	Phase equilibrium	94	56	150	6.00
		4	CHE24117	Organic Chemistry 2	94	56	150	6.00
		5	CHE24018	Nanochemistry	49	26	75	3.00
		6	CHE24019	Chemistry Software	49	26	75	3.00
UGIV		1	CHE35120	Coordination Chemistry 1	94	56	150	6.00
	Five	2	CHE35121	Chemical Kinetics	94	56	150	6.00
		3	CHE35122	Organic Chemistry 3	94	56	150	6.00
		4	CHE351323	Principles of Biochemistry	94	56	150	6.00
		5	CHE35024	Industrial Chemistry and Pollution	49	51	100	4.00
		6	CHE35025	Elective 1	19	31	50	2.00
		1	CHE36126	Coordination Chemistry 2	94	56	150	6.00
		2	CHE36127	Electrochemistry and Surface chemistry	109	41	150	6.00
	.	3	CHE36128	Organic Chemistry 4	94	56	150	6.00
	Six	4	CHE36129	Biomolecules	94	56	150	6.00
		5	CHE36130	Application of Industrial Chemistry	49	51	100	4.00
		6	CHE36031	Scientific Research Methodology	19	31	50	2.00
		1	CHE47132	Instrumental Analysis	94	56	150	6.00
UGV	Seven	2	CHE47133	Identification of Organic Compounds	79	71	150	6.00
UGV	Sevell	3	CHE47134	Metabolism of Carbohydrates	94	56	150	6.00
		4	CHE47135	Petroleum Chemistry and Petrochemicals	109	41	150	6.00





	5	CHE47036	Quantum Chemistry	64	36	100	4.00
	6	CHE47037	Elective 2	19	31	50	2.00
	1	CHE48138	Chromatographic Methods	94	56	150	6.00
	2	CHE48139	Application of Organic Spectrum	79	71	150	6.00
Eight	3	CHE48140	Metabolism of Lipids and proteins	94	56	150	6.00
	4	CHE48141	Polymers: Fundamentals and applications	109	41	150	6.00
	5	CHE48142	Spectroscopy	64	36	100	4.00
	6	CHE48143	Research Project	33	17	50	2.00

B-Post Graduate Study:

Codes	Number of hours	University academic system	Subject Name	No.	Educational level
F6061-SCCH10	2	First semester	Industrial chemistry	1	
F6091-SCCH10	2	Second Semester	Organic spectrum	2	
F6071-SCCH10	1	Semester (first and (second semester	English language	3	
F6401-SCCH10	2	Second Semester	nutrition Human	4	
F6041-SCCH10	2	Second Semester	Bioinorganic chemistry	5	
F6311-SCCH10	2	Second Semester	Enzymes and hormones	6	
F6301-SCCH10	2	Second Semester	Clinical biochemistry	7	
F6331-SCCH10	2	Second Semester	Molecular biology	8	
F6101-SCCH10	2	Second Semester	Physical organic chemistry	9	Master
F6151-SCCH10	2	First semester	Colloids	10	1SI
F6021-SCCH10	2	First semester	analytical chemistry	11	J E
F6171-SCCH10	2	First semester	X-ray	12	
F6161-SCCH10	2	Second Semester	Group Theory	13	
F6111-SCCH10	2	Second Semester	Organic construction	14	
F6191-SCCH10	2	First semester	Advanced life	15	
F6031-SCCH10	2	Second Semester	Life technologies	16	
F6211-SCCH10	2	Second Semester	Molecular interactions	17	
F6341-SCCH10	2	First semester	Thermodynamic	18	
F6081-SCCH10	2	Second Semester	Stereochemistry	19	
F6121-SCCH10	2	Second Semester	Heterocyclic	20	





F6011-SCCH10	2	First semester	Physical processes	21	
F6241-SCCH10	2	Second Semester	Organic analysis	22	
F6411-SCCH10	2	Second Semester	Biopolymer	23	
F7161-SCCH10	2	First semester	Polymerization	1	
F7061-SCCH10	1	Semester (first and (second semester	English language	2	
F7251-SCCH10	2	Second Semester	Human nutrition	3	
F7411-SCCH10	2	Second Semester	Metabolic diseases	4	
F7311-SCCH10	2	First semester	Heterocyclic	5	
F7371-SCCH10	2	First semester	Biotechnology	6	
F7241-SCCH10	2	Second Semester	Enzymes and hormones	7	
F7441-SCCH10	2	Second Semester	Oxidants and antioxidants	8	
F7321-SCCH10	2	Second Semester	Computer Chemistry ((Computational	9	PHII
F7091-SCCH10	2	Second Semester	Organometallic	10	
F7101-SCCH10	2	First semester	Coordination chemistry	11	
F7341-SCCH10	2	Second Semester	Transitional elements	12	
F7581-SCCH10	2	First semester	Inorganic (M. Selected)	13	
F7121-SCCH10	2	First semester	Reaction kinetics	14	
F7151-SCCH10	2	First semester	Physical processes	15	
F7381-SCCH10	2	First semester	Physical spectrum	16	
F7391-SCCH10	2	Second Semester	Colloids and surfaces	17	

Planning for personal development:

A-Extra-class activity:

- .- Participation in multiple dialogues via direct sessions provided by advanced universities.
- Participation in national and external scientific conferences and transfer of skills through joint seminars.
- B-Extracurricular activities, scientific trips, and scientific tours.

Admission standard (establishing regulations related to enrollment in the college or institute)





Central admission

• Academic Program Requirements of Curriculum

Percentage	Hours	Type of Study	No.
%8	8	University Requirements	1
%16	16	College Requirements	2
%76	76	Department Requirements	3
%100	100	Total	

Department outputs:

- 1. Determine the department's measurable cognitive skills that are consistent with the objectives of the academic department's programs through daily, quarterly and final examinations and reports.
- 2. Determine the priorities of the knowledge and skills that the department is keen to achieve for the graduate
- 3. The extent to which graduate students achieve the department's academic program
- 4. The department's mechanisms used in evaluating the department's academic program:
- Graduate opinion polls, as the department cooperates with the head of the rehabilitation and employment unit at the college in order to communicate with the department's graduates and listen to their opinions and ideas in developing the department.
- Opinions of employment agencies: The department communicates and cooperates with government employment agencies, the most important of which are the Directorate of Health and the Directorate of Education, as well as some companies, health centers and clinics in the private sector.





- Graduates' performance in jobs: Graduates perform very well in jobs because they have benefited from valuable information during their years of study.
- •Graduate employment data through the College's Qualification and Employment Unit.

Academic Staff:

No.	Name	Academic title	General Subject	Fine Subject
1.	Dr. Salem Jassim Mohammed Saleh Al-Juhaishi	Prof.	Chemistry	Organic Chemistry
2.	Dr. Ammar Abdel Sattar Ibrahim Yahya Al Dabbagh	Prof.	Chemistry	Physical Chemistry
3.	Dr. Imad Younis Hassan Al-Nasser	Lecturer	Chemistry	Analytical Chemistry
4.	Dr. Nabil Sobeih Othman Khader Tahafi	Prof.	Chemistry	Analytical Chemistry
5.	Dr. Rabah Ali Khalil Mahmoud Al-Hamdani	Prof.	Chemistry	Physical Chemistry
6.	Dr. Asaad Faisal Khattab Omran Al Omran	Prof.	Chemistry	Industrial Chemistry
7.	Dr. Thikra of Ali Fathi Alloush Aloush	Prof.	Chemistry	Biochemistry
8.	Dr. Louay Abdel Ali Ismail Al-Hilali	Prof.	Chemistry	Biochemistry
9.	Dr. Abdul Rahman Basil Fadel Amin Al-Obaidi	Prof.	Chemistry	Industrial Chemistry
10.	Dr. Zeina Abdel Moneim Muhammad Al-Jawadi	Prof.	Chemistry	Biochemistry
11.	Dr. Zahraa Muhammad Ali Ahmed Mustafa Hamouda	Prof.	Chemistry	Biochemistry
12.	Dr. Amer Thanoun Abdul Rahman Ahmed Al-Taie	Prof.	Chemistry	Physical Chemistry
13.	Dr. Ammar Hussein Abdullah Fares Al-Sabaawi	Prof.	Chemistry	Organic Chemistry
14.	Dr. Hana Shukr Mahmoud Ahmed Al-Omari	Prof.	Chemistry	Analytical Chemistry
15.	Dr. Sahba Ali Ahmed Hassan Al-Sabaawi	Prof.	Chemistry	Inorganic Chemistry
16.	Dr. Shaima Khazal Younis Omar Al-Azzawi	Prof.	Chemistry	Organic Chemistry
17.	Dr. Laila Abdullah Mustafa Abdullah Abdul Al	Assistant Prof.	Chemistry	Biochemistry
18.	Dr. Saba Zaki Mahmoud Khader Al-Abaji	Assistant Prof.	Chemistry	Biochemistry
19.	Dr. Muhammad Bahri Hassan Abdel Saadoun	Assistant Prof.	Chemistry	Biochemistry





20.	Dr. Wasan Khairallah Ali Hussein Al-Dulaimi	Assistant Prof.	Chemistry	Biochemistry
21.	Dr. Iman Ismail Ahmed Majdhab Al-Akidi	Assistant Prof.	Chemistry	Industrial Chemistry
22.	Dr. Fatima Abdul Hamid Muhammad Al-Atrushi	Assistant Prof.	Chemistry	Biochemistry
23.	Dr. Sakina Hussein Rashid Ali Al-Rawi	Assistant Prof.	Chemistry	Biochemistry
24.	Dr. Iman Adel Hadi Hamdoun Ramadan	Assistant Prof.	Chemistry	Biochemistry
25.	Dr. Khansa Shaker Nemat Allah Al-Nima	Assistant Prof.	Chemistry	Inorganic Chemistry
26.	Dr. Khaleda Muhammad Omar Daed Al-Tai	Assistant Prof.	Chemistry	Analytical Chemistry
27.	Dr. Amra Fares Muhammad Darwish Al-Sarraj	Assistant Prof.	Chemistry	Inorganic Chemistry
28.	Dr. Munira Youssef Raouf Al-Naqshbandi	Assistant Prof.	Chemistry	Organic Chemistry
29.	Dr. Laila Jumaa, Najam, Zaher star	Assistant Prof.	Chemistry	Inorganic Chemistry
30.	Dr. Farah Tariq Saeed Muhammad Al-Tikriti	Assistant Prof.	Chemistry	Inorganic Chemistry
31.	Dr. Omar Adel Sharif	Assistant Prof.	Chemistry	Physical Chemistry
32.	Dr. Safaa Abdel Aziz Taha Amin Al-Amin	Assistant Prof.	Chemistry	Biochemistry
33.	Dr. Saeed Abdel Qader Saeed Al-Bighamberly	Assistant Prof.	Chemistry	Organic Chemistry
34.	Dr. Saad Hassani, Sultan of Zarzis Allawi	Assistant Prof.	Chemistry	Analytical Chemistry
35.	Dr. Alaa Muhammad Tayyab Hussein Al Laila	Assistant Prof.	Chemistry	Physical Chemistry
36.	Dr. Fanar Muhammad Ismail Muhammad Al-Hayali	Assistant Prof.	Chemistry	Physical Chemistry
37.	Dr. Shaima Hashem Abdel Rahman Mustafa Al-Hilali	Assistant Prof.	Chemistry	Physical Chemistry
38.	Dr. Haifa Younis Hussein Darwish Al-Jubouri	Assistant Prof.	Chemistry	Organic Chemistry
39.	Dr. Atallah Muhammad Sheet Mahmoud Al-Sharifi	Assistant Prof.	Chemistry	Organic Chemistry
40.	Dr. Harith Muhammad Salman Abdul Ajili	Assistant Prof.	Chemistry	Organic Chemistry
41.	Dr. Amal Taha Yassin Ramla Al Jeraisy	Assistant Prof.	Chemistry	Biochemistry
42.	Dr. Rana Hassan Ahmed, all of them	Assistant Prof.	Chemistry	Physical Chemistry
43.	Dr. Ala Aldin Mohammed Hani Darghouth	Assistant Prof.	Chemistry	Physical Chemistry
44.	Dr. Rana Abdul Malik Suleiman Ali Al Qa'ba	Assistant Prof.	Chemistry	Inorganic Chemistry
45.	Dr. Firas Ahmed Thanon Al-Lolage	Assistant Prof.	Chemistry	Physical Chemistry
46.	Dr. Asim Salman Abdullah Fathi Al-Boutani	Lecturer	Chemistry	Inorganic Chemistry
47.	Dr. Amira Muhammad Faraj Saleh Suleiman	Lecturer	Chemistry	Organic Chemistry





48.	Dr. Heba Amin Ibrahim Dhanoun Al-Alaf	Lecturer	Chemistry	Organic Chemistry
49.	Dr. Nada Bashir Sharif Hamid Al Nuaimi	Lecturer	Chemistry	Physical Chemistry
50.	Dr. Rafd Rabie Saadoun Muhammad Al-Taie	Lecturer	Chemistry	Biochemistry
51.	Dr. Samir Saadallah Azza Nasser Al-Hayali	Lecturer	Chemistry	Inorganic Chemistry
52.	Dr. Saleh Awaid Aboud Muhammad Al-Obaidi	Lecturer	Chemistry	Organic Chemistry
53.	Dr. Alaa Hussein Jalil Muhammad Al-Taei	Lecturer	Chemistry	Physical Chemistry
54.	Dr. Azzam Ahmed Muhammad Hudayd Al-Hadidi	Lecturer	Chemistry	Organic Chemistry
55.	Dr. Ihab Salem Ahmed MahalAl-Jubouri	Lecturer	Chemistry	Industrial Chemistry
56.	Dr. Shaima Sultan Abo Al-Mutlaq Al-Aqidi	Lecturer	Chemistry	Industrial Chemistry
57.	Dr. Aseel Nameer Abdul-Jabar	Lecturer	Chemistry	Analytical Chemistry
58.	Dr. Ibrahim Muhammad Hayes Saleh Al-Khafaji	Lecturer	Chemistry	Physical Chemistry
59.	Dr. Maha Thanoun Hussein Abdullah Al-Obaidi	Lecturer	Chemistry	Analytical Chemistry
60.	Dr. Heba Farouk Muhammad Amin Yahya Al-Kateb	Lecturer	Chemistry	Inorganic Chemistry
61.	Dr. Tahani Walid Jihad Yacoub Qato	Lecturer	Chemistry	Organic Chemistry
62.	Dr. Heba Amin Ibrahim Dhanoun Al-Alaf	Lecturer	Chemistry	Organic Chemistry
63.	Dr. Ahmed Salem Mahmoud Muhammad Al-Taie	Lecturer	Chemistry	Inorganic Chemistry
64.	Dr. Heba Abdul Salam Muhammad Abdullah	Lecturer	Chemistry	Organic Chemistry
65.	Dr. Roaa Qasim Yahya	Lecturer	Chemistry	Industrial Chemistry
66.	Dr. Amna Farouk Sanallah Abdullah Al-Omari	Lecturer	Chemistry	Industrial Chemistry
67.	Dr. Omar Ismail Muhammad Al-Dhanoun	Lecturer	Chemistry	Biochemistry
68.	Dr. Hanan Hamid Ahmed Suleiman Al-Ali	Lecturer	Chemistry	Analytical Chemistry
69.	DrAsmaa Natiq Abdul Qadir Mahmoud Al Arhaim	Lecturer	Chemistry	Analytical Chemistry
70.	Neaam Muhammad Tayyab Hussein Al Laila	Assistant Prof.	Chemistry	Industrial Chemistry
71.	Amal Ghazi Abdel Rahawi Al-Sarraj	Assistant Prof	Chemistry	Physical Chemistry
72.	Inaam Ahmed Hamdoun Al-Gargis	Assistant Prof.	Chemistry	Analytical Chemistry
73.	Israa Ali Hassan Ali Haj Hussein	Assistant Prof.	Chemistry	Inorganic Chemistry
74.	Kawakeb of Abdul Aziz Muhammad Majeed Al-Tai	Lecturer	Chemistry	Inorganic Chemistry
75.	Zeina Talal Shaker Mahmoud Bakr	Lecturer	Chemistry	Analytical Chemistry





76.	Sariya Walid Zidan Thanoun Al-Taie	Lecturer	Chemistry	Inorganic Chemistry
77.	Israa Adnan Saeed Ahmed Al-Shukarji	Lecturer	Chemistry	Inorganic Chemistry
78. 1	Mawada Muhammad Suleiman Hassan Al-Ghabsha	Lecturer	Computer Science	Artificial intelligence
79.	Saba Mumtaz Saleh Taha Al-Asali	Lecturer	Chemistry	Inorganic Chemistry
80.	Noha Abdel Qader Sharif Omar Al Talib	Assistant Prof.	Chemistry	Biochemistry
81.	Afia Muayyed Younis Mustafa Al-Dabbagh	Lecturer	Chemistry	Inorganic Chemistry
82.	Basemah Ahmed Abdel Hadi Salim Al-Taha	Assistant Prof.	Chemistry	Analytical Chemistry
83.	Mafaz Khaled Saeed Tawfiq Al-Sayegh	Lecturer	Chemistry	Biochemistry
84.	Lama Taha Daoud Sharif Al-Bakr	Lecturer	Chemistry	Analytical Chemistry
85.	Naseem Maysar Abdel Hamid Al-Hamdani	Lecturer	Chemistry	Analytical Chemistry
86.	Safa Abdel Aleem Ahmed Younis Zakaria	Lecturer	Chemistry	Analytical Chemistry
87.	Anfal Raad Mahmoud Ahmed Al-Barhawi	Lecturer	Chemistry	Physical Chemistry
88.	Sana Abdel-Ilah Ahmed Girgis Abdel-Mawjoud	Lecturer	Chemistry	Biochemistry
89.	Saba Hazem Siddiq Hassan Al-Sarati	Lecturer	Chemistry	Synthetic Chemistry
90.	Fayhaa Kamal Hussein Ali Al-Jarrah	Lecturer	Chemistry	Inorganic Chemistry
91.	Raghad Abdel Mawjoud Muhammad Al-Abadi	Lecturer	Chemistry	Biochemistry
92.	Lana Abdel Hamid Rashid	Lecturer	Chemistry	Inorganic Chemistry
93.	Enas Samir Thanoun Mahmoud Mulla Hamo	Lecturer	Chemistry	Analytical Chemistry
94.	Shahla Ahmed Younis Abdel-Jamas	Lecturer	Chemistry	Organic Chemistry
95.	Shaima Younis Ibrahim Dhanoun Al-Taie	Lecturer	Chemistry	Organic Chemistry
96.	Muhammad Adnan Muhammad Ali Al-Qaba	assistant Lecturer	Chemistry	Organic Chemistry
97.	Khaled Nazir Hamid Abdullah Al-Sarraf	assistant Lecturer	Chemistry	Inorganic Chemistry
98.	Muhammad Qahtan Hassan Ali Siala	assistant Lecturer	Chemistry	Physical Chemistry
99.	Amna Adnan Muhammad Shihab Al Fares	assistant Lecturer	Chemistry	Inorganic Chemistry
100.	Iman Bahjat Bashir Tawfiq Mulla Jarjis	assistant Lecturer	Chemistry	Analytical Chemistry





101.	Sahba Younis Majeed Abdul Ghani Al-Taie	assistant Lecturer	Chemistry	Inorganic Chemistry
102.	Haif Nasr Abdel Fattah	assistant Lecturer	Chemistry	Physical Chemistry
103.	Dhaha Nidal Saad	assistant Lecturer	Chemistry	Organic Chemistry
104.	Omar Mohamed Hameed	assistant Lecturer	Chemistry	Biochemistry
105.	Marow Talal Mahmood	assistant Lecturer	Chemistry	Organic Chemistry
106.	Semaa Mowafaq Alamary	assistant Lecturer	Chemistry	Analytical Chemistry

The most important sources of information about the program

Student guide for central admission counted by the Ministry of Higher Education and Scientific Research for more information.

job description and courses:

https://bityl.co/P7V3

Department lectures on the website:

Department lectures https://rb.gy/8j3a70 ✓

College Guide: https://bityl.co/P7TV

CV of teachers: https://cv.uomosul.edu.iq/list/science/chemistry ✓

Members of the College Council: <u>https://shorturl.at/eBT27</u>

Links to faculty research on the college website:

https://cv.uomosul.edu.iq/list/science/chemistry

Links to graduation projects for department students:

https://shorturl.at/oHLU0





Subjects and units:

https://shorturl.at/kuz06

Continuing education courses:

 $\underline{https://uomosul.edu.iq/public/files/datafolder_3067/_20211103_100359_230.docx}$

Lectures: https://shorturl.at/iGJTV

Class schedules: https://uomosul.edu.iq/pages/ar/science/42594

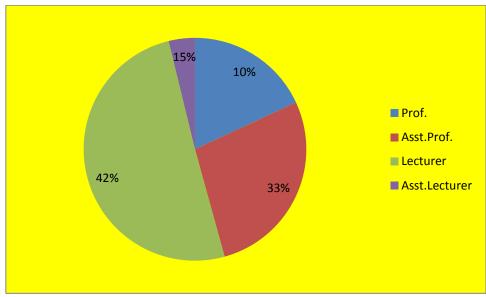
• Description of the faculty members in the department:

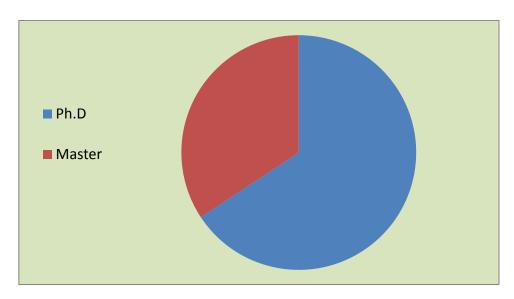
	Scientific degree				Coalification			
female	Male	Asst.	Lecturer	Asst.Prof.	Prof.	Master	Ph.D	Staff
75	31	11	45	35	15	37	69	106

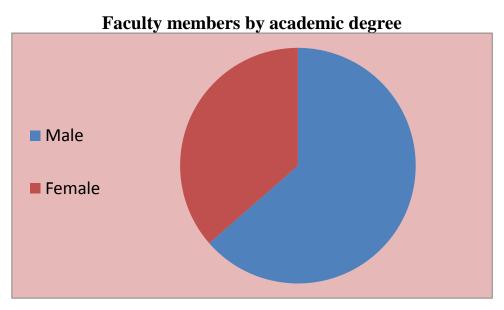
65%	% of Ph.D
35%	% of Master











Faculty members by gender





•Average hours of additional teaching load for faculty members:

Number of load hours	The number of quorum hours specified	The scientific title	
16	6-4	Prof.	
13	8	Asst. Prof.	
15	10	Lecturer	
17	12	Asst. Lecturer	





•Employees and administrators according to academic qualification

Number of contract	Number of permanent	Academic qualification of
employees	employees	employees
	13	Bachelor's
	3	Technical Diploma
	0	Preparatory school
	1	Medium
2	1	Primary





• Ratio of students to teachers:

Number of Chemistry Department students in 2024-2025 (1088) for the four stages

Preparation of teaching staff in the Chemistry Department for the year 2024-2025 (106) teaching staff

Ratio of students to teachers = 0.1

A summary of the most important work at the quality assurance level:

• Quality field:

- 1- Writing and implementing boards related to the department's vision, mission, and goals.
- 2- Preparing questionnaires for students to evaluate the teaching.
- 3- Follow up on the implementation of the department's self-evaluation standards
- 4- Participation in many seminars, workshops and conferences related to quality within the country.
- 5- Holding workshops aimed at improving quality in the department.
- 6- Holding and attending scientific courses on performance evaluation for department members.
- 7- Prepare a plan on what was done before starting the department's self-evaluation process.
- 8- Working on coding the new curricula and exam questions on a regular basis.
- 9- Establishing special mechanisms for laboratory quality.





• Field of university performance:

- 1- Completing the department's annual calendar file.
- 2- Conducting evaluations of teachers as well as evaluations of employees.
- 3- Archiving (automation) of information: electronic documentation of information in the department's Quality Assurance Committee.
- 4- Completing the national evaluation form for scientific departments.
- 5- Completing and writing the department's self-evaluation report according to the standards of the accredited national accreditation standards for colleges of science accreditation program
- 6- Writing a report on conformity with the standards of the accredited ABET accreditation program.

Infrastructure

Ratio of students to hall area	Area m²	no	Buildings	No.
0.86	610	10	Teaching halls	.1
4.0	180	2	Event halls	.2
	220	1	Central laboratory	.3
0.3	1317	31	Laboratories	.4
	0	0	Technical workshops	.5
	950	54	Faculty offices	.6
	18.5	2	Internet units	.7
	60	1	Clubs, sports stadiums	.8
	1800	4	Parking lot	.9
	1200	4	Gardens and squares	.10
	210	1	the library	.11
	270	9	Bathrooms	.12