

College Guide

College of Science



E-mail: scien@uomosul.edu.iq

Website: science.uomosul.edu.iq

College in Brief

The College of Science was first founded in 1963. It started with the first two departments: Chemistry & Mathematics. One year later in 1964, new departments were opened including Biology, Physics & Geology. In 1983, the University of Mosul inaugurated the department of Computer Science.

In 1968, the postgraduate studies (Msc in Biology & Chemistry) started in the college. For the department of Physics, it was launched in 1972. Two years later in 1974, this level of study started in the departments of Geology and Mathematics. Finally, the MSc. in Computer Science started in 1983.

The first PhD certificate was awarded by the department of Chemistry and this was in 1978. Many years later and exactly in 1989, the first PhD in Biology was awarded formally. By the year 1991, all the departments of the college started awarding PhD certificates. In 1999, the departments of Mathematics & Computer Science were separated into an independent college. However, recently two departments were added to the College of Science: Biophysics and Renewable Energy.

For the time being, the college offers BSc. certificates in six main fields of study: Chemistry, Biology, Physics, Geology, Biophysics & Renewable Energy.

For the academic year 2021-2022, the Evening Classes have been re-opened again. These studies included Chemistry, Biology & Geology. Also, for this academic year, the Ministry of Higher Education & Scientific Research approved to change the department of Biophysics into Medical Physics, and open the evening classes in the department itself as well.

The number of graduates of the College of Science to date is 16804 for the undergraduate levels, and more than 880 MSc. holders and 153 graduates for the PhDs.

The college has provided the country with competent people who served their community in different specializations such as Math, Physics, Chemistry and Biology. It is also worth mentioning that our college is considered as a member of the scientific union of the colleges of science of the Association of Arab Universities.

Vision, Mission and Objectives

Our Vision

Our essential vision is creating a steady environment based on scientific approaches that combine the basics and continuous development towards community service and excellence in the dissemination of knowledge in the field of theoretical and Applied Sciences to reach high levels of performance for faculty members and students.

Our Mission

The mission of the college is represented in updating and disseminating information in the fields of Pure Sciences and Applied Sciences. This would serve the industrial and environmental needs of society and brush up the talents of students and develop their capabilities to help improve the society. Moreover, our mission is seen in saving competent graduates, to fill diverse opportunities locally and regionally, with high efficiency and professional experiences.

Objectives of the College

The College of Science seeks to achieve the following goals:

- 1- Providing high-quality academic curricula linking theoretical education with laboratory expertise and a competitive level of regional levels while looking to reach international levels through continuous updating of curricula.
- 2- Encouraging scientific research in the fields of Pure and Applied Sciences with an attempt to focus on applied research that serves society and build bridges of connection and confidence with society.

- 3- Providing the society with well-educated and highly-qualified people to fulfil the highly-demanded job opportunities offered by employers.
- 4- Meeting the technical and environmental needs of the society and finding solutions to the problems of various institutions. This is done through enriching them by precise majors supported by solid scientific research.

Departments of College

Department of Biology

Department of Chemistry

Department of Geology

Department of Physics

Department of Medical Physics

Department of New & Renewable Energy

Previous Deans

Dr. Abdul Razzaq Haswan 1964-1966

Dr. Yehya Abd Saeed 1966-1966

Dr. Rafei Al-Hafith 1966-1967

Dr. Mahmood Al-Jalely 1967-1967

Dr. Ali Aziz Ali 1967-1968

Dr. Abdulelah Yousif Al-Khashab 1968-1975

Dr. Farouq S. Al-Omari 1975-1979

Dr. Hesham Y. Al-Dabagh 1979-1984

Dr. Khalid Y. Al-Yamour 1984-2001

Dr. Zuhair A. Al-Sharook 2001-2002

Dr. Abdulhadi Y. Al-Saeigh 2002-2003

Prof. Dr. Ihsan A. Mustafa 2003-2012

Prof. Dr. Imad A. Al-Dobony 2012-2014

Prof. Dr. Anwar Mustafa Ezzat Al-Faydi 2014-2019

prof. Dr. Hiyam Adel Ibrahim Al-Taii 2019-till now

College Board

Dr. Hiyam Adel Ibrahim Al-Ta'ii – College Dean

Dr. Mohammed Subhi Hameed – Deputy Dean for academic affairs

Dr. Omar Adel Shareef – Deputy Dean for administrative affairs

Dr. Ra'ed Salim Ahmad – Head of Biology department

Dr. Salim Jasim Mohammed – Head of Chemistry department

Dr. Marwan Zuhair Elyas – Head of Medical Physics department

Dr. Mazin Abid Ahmad Ghazal – Head of Physics department

Dr. Omar Ahmad Mawlood – Head of Geology department

Dr. Asim Ahmad Essa – Head of New & Renewable Energy department

Brief of the programs of college

1- Department in Brief – Physics

The Department of Physics was established In 1964 on which the undergraduate studies began. The first batch of the Physics Department graduated in 1968. For postgraduate studies, the MSc studies started in 1977 while the PhD started in 1995. The Department of Physics is essential and has a high academic value among the departments of the College of Science. The department and the teaching staff have been based on pioneering and supportive research and have contributed highly to raise the reputation of the department as one of the excellent institutions of higher education. It also gives an educational and creative opportunity to many talented people.

2- Department in Brief – Geology

The Department of Geology is one of the founding scientific departments of the College of Sciences since the middle of the last century. It was established in the sixth decade of the century, which provided all state institutions, without exception, with leading scientific competencies in their field. It played a positive role in the economic advancement of our dear country in terms of oil, mineral exploration, ores and water resources to invest them to build a strong and stable country. At the very beginning when the department launched, the teaching staff was mostly European, American, Pakistani and Indians and in various geological specialties. After 1970, Iraqi staff began to return to the department after finishing their studies abroad and took up every duties in the department.

3- Department in Brief – Chemistry

The Department of Chemistry was established in 1963-1964 and is the oldest department of the College of Science. The first batch of this department graduated in the academic year 1967. The department has been active since its beginning in the field of scientific research. A number of researchers have published many papers in scientific journals. The MSc study was launched in 1967-1968. The doctoral study started in the academic year 1985-1986. The evening study was opened in the academic year 2021-2022, during which the department received the first batch of applicants successfully. However, the number of students increased in the academic year 2022-2023 by up to 120 students.

4- Department in Brief – Biology

The Department of Biology at the University of Mosul was established in 1964. Biology is one of the branches in modern natural sciences, it is a wide field and considered as a basic base for all sciences that study life and its multiple phenomena. We can say that it is the solid base of Modern Health Sciences. Biology also reveals the vital phenomena and processes that occur in living organisms and helps in the diagnosis of diseases. This is why it has occupied great importance among many sciences. Biology entered the fields of health, agriculture, food industry, laboratory analysis and environmental treatments.

5- Department in Brief – Medical Physics

The Department of Biophysics was established in 2011. By a ministerial order in 2022, its name was changed into the Department of Medical Physics. Medical physics is concerned with all therapeutic methods, especially the thermal therapy and particle physics. It aims to re-analyze and reconstruct images and achieve high

accuracy in diagnosis through the use of advanced and modern computer technology.

6- Department in Brief – New & Renewable Energy

The Department of New and Renewable Energies is one of the scientific departments of the College of Science at the University of Mosul. The Department of New and Renewable Energies was established in 2013. The study period is four years. The Department grants students a bachelor's degree in Energy Sciences and Renewable Energies.

College achievements

During the academic year 2021, the College of Science organized the Second International Conference in Chemistry for the period of 23-24 June 2022.

During the academic year 2021-2022, the College of Science organized the Second International Conference in Chemistry for the period from June 23 - 24/2022.

It also held many seminars in its various departments, including a seminar for the Community Police Department in Nineveh Governorate entitled (Electronic Blackmail and How to Secure Personal Accounts) in the Physics Department by Mr. Colonel Abdullah Hussein Muhammad, Mr. Lieutenant Colonel Hazem Najm Abdullah, and Ms. Commissioner Hana Ahmed Jassim on 11/17/2021 and the scientific symposium tagged “The role of the Integrity Commission in investigating “Standards of Transparency in Professional Behavior” in the Department of Earth Sciences in Dr. Abdulaziz Al-Hamdani Hall on 3/8/2022.

Scientific Published of the College

Journals	
Impact Factor	
Scopus and Clarivate	
Local and Arabic magazines	
Authored books	
Patents	

Academic staff according to university degree

No.	Department	High Diploma	MSc.	Ph.D
1	Chemistry	-	42	63
2	Physics	-	21	18
3	Biology	-	47	54
4	Geology	-	22	19
5	Medical Physics	-	13	14
6	New & Renewable Energy	1	10	10

Academic staff according to scholarly

No.	Department	Prof.	Assi. Prof.	Lecturer	Assi. Lecturer
1	Chemistry	11	29	56	16
2	Physics				
3	Biology				
4	Geology				
5	Medical Physics				
6	New & Renewable Energy				