



Description of the academic program of the Department of Geology

This academic program description provides a summary of the program's most important features and outcomes of the section that the student is required to achieve, demonstrating whether he has made the most of the opportunities Available. It is accompanied by a description of each course within the program.

1. Educational institution	University of Mosul
2. University department/center	College of Science/ Department of Geology
3. Academic program title	Bachelor of Geology
4. Final certificate title	Bachelor of Geology
5. Academic system	Semesters
6. Approved accreditation program	ABET
7. Other external influences	Non
8. Date of preparing the description	2021

9. Objectives of the academic program

Graduating a student familiar with the basic concepts of Geology

Graduating a student capable of applying Geology in the fields of oil and community service.

Graduating a group of students who have the ability to continue higher education as postgraduate students.

10. Required learning outcomes and methods of teaching, learning and assessment

A- Knowledge and understanding

- 1. Enable the student to gain an understanding of the Geology subject.
- 2. Preparing scientific cadres specialized in Geology and all its branches to support the country's industrial and research movement through their work in scientific, practical and research institutions that support this trend.

B- Subject-specific skills

- 1. Theoretical education skills
- 2. Practical education and data analysis skills

Teaching and learning methods

Theoretical and practical lectures, daily assignments and discussions

Evaluation methods

Exams, daily assignments, discussions, laboratory reports, and a graduation project

C- Thinking skills

- 1. Discussions
- 2.Feedback

Teaching and learning methods

Lectures, science experiments, applications, homework and scientific discussions

Evaluation methods

Exams, daily assignments, discussions, laboratory reports, and a graduation project

D. General and transferable skills (other skills related to the employability and development of the person)

- 1. The ability to work in a multidisciplinary team
- 2 .The ability to communicate constructively

Teaching and learning methods

Lectures, scientific experiments, homework and scientific discussions

Evaluation methods

Exams, daily assignments, discussions, laboratory reports, and a graduation project

11. Program structure				
Hours		Module Name	Module Code	
Theoretical	Practical			Level/year
2	2	Physical geology I	SCGE21-S1011	
2	2	Crystallography	SCGE21-S1021	1
2	2	Chemistry	SCGE21-S1031	1
2		Mathematic	SCGE21-S1041	1
2	2	Computer I	SCGE21-S1051]
1		Human right	SCGE21-S1061	1
2		Arabic language	SCGE21-S1071	Eingt waan
2	2	Physical geology II	SCGE21-T1081	First year
2	2	mineralogy	SCGE21-T1091	
2	2	physics	SCGE21-T1101]
2		statistic	SCGE21-T1111	
2	2	Computer II	SCGE21-T1121	
1		Democracy	SCGE21-T1131	
1		English language	SCGE21-T1141	
2	3	Optical mineralogy	SCGE21-S2011	
2	2	Invertebrate paleontology I	SCGE21-S2021	
2	2	Stratigraphy	SCGE21-S2031	
2	2	Historical geology	SCGE21-S2041	
2	2	Geomorphology	SCGE21-S2051]
1		University education (health education)	SCGE21-S2061	Second year
2	2	Geophysics	SCGE21-T2071]
2	2	Invertebrate paleontology II	SCGE21-T2081]
2	3	Sedimentology	SCGE21-T2091]
2	3	Micropaleontology I	SCGE21-T2101	
2	2	Remote sensing	SCGE21-T2111]
2	2	Petrology	SCGE21-T2121	
2	2	Geology of Iraq	SCGE21-S3011	
2	2	Geophysics I	SCGE21-S3021	Third year
2	3	Structural geology I	SCGE21-S3031	I mru year
2	3	Sedimentary petrology	SCGE21-S3041	

2	3	Igneous rocks	SCGE21-S3051	
2	3	Micropaleontology II	SCGE21-S3061	
2	2	Field geology	SCGE21-T3071	
2	2	Geophysics II	SCGE21-T3081	
2	3	Structural geology II	SCGE21-T3091	
2	2	Geochemistry	SCGE21-T3101	
2	3	Metamorphic rocks	SCGE21-T3111	
2	3	Sedimentary environment	SCGE21-T3121	
2	2	Petroleum geology	SCGE21-S4011	
2	2	Ore geology	SCGE21-S4021	
2	2	Exploration geochemistry	SCGE21-	
		&Isotopic geology	S4031	
2	2	Hydrogeology	SCGE21-S4041	
2	2	Basin analysis	SCGE21-S4051	
2	2	Geotectonic	SCGE21-S4061	Fourth year
2		Field work	SCGE21-S4071	
2	2	Well logging	SCGE21-T4081	
2	2	Industrial rocks	SCGE21-T4091	
2	2	Environmental geology	SCGE21-T4101	
2	2	Engineering geology	SCGE21-T4111	
2	2	Sequence stratigraphy	SCGE21-T4121	
1		Project	SCGE21-T4131	
188 hour	De	egree of Bachelor	Cortification and gradit hours	
146 unit	Requires (188) credit hours		Certificates and credit hours	

12 Planning for personal development

Extracurricular activities, scientific trips, and scientific tours

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

Central admission

14 The most important sources of information about the program

Student guide for central admission prepared by the Ministry of Higher Education and Scientific Research

For more information, job description and courses

https://uomosul.edu.ig/science/%d9%82%d8%b3%d9%85-

%d8%b9%d9%84%d9%88%d9%85-

/%d8%a7%d9%84%d8%a3%d8%b1%d8%b6

https://uomosul.edu.iq/science/%d9%88%d8%b5%d9%81%d8%a7%d9%84%d8%a8%d8%b1%d9%86%d8%a7%d9%85%d8%ac%d8%a7%d9%84%d8%a3%d9%83%d8%a7%d8%af%d9%8a%d9%85%d9%8
a-%d9%84%d9%82%d8%b3%d9%85-%d8%b9%d9%84%d9%88%d9%85/%d8%a7%d9%84%d8%a3%d8%b1

Department activities on the website

https://www.facebook.com/zaid.malk.14?mibextid=ZbWKwL

Academic program requirements from the curriculum

Percentage	Number of credit hours	Type of curriculum	No.
%8	8	University requirements	1
%16	16	College requirements	2
%76	76	Department requirements	3
%100	100	Total	