

University of Mosul

جامعة الموصل
كلية العلوم البيئية
قسم تقانات البيئة



First Cycle – Bachelor's degree (B.Sc.) – Science\ Environmental Technologies

بكالوريوس علوم - تقانة بيئية



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1. Mission & Vision Statement

Vision Statement

The Department of Environmental Technologies is one of the modern and rare departments, and the department includes in its rationale a link between environmental technical aspects and environmental engineering aspects. The undergraduate program provides students with a basic understanding of the basics of environmental science, in addition to a broad background in related fields.

Mission Statement

The department's mission is to communicate all information related to ecology during the four years of preliminary studies, as shown below:

First Year - During your first academic year, you begin to establish a strong foundation in the natural sciences, understand the structure and function of the environment, and apply environmental thinking to all aspects of life.

Second Year - The second study is a year devoted to the enhancement of general technical skills and the acquisition of skills in environmental technologies and management practices. You will have the competence to assist under supervision in the monitoring and management of projects in environmental technology.

Third year - During the third academic year, you continue to deepen your skills in dealing with environmental problems, finding appropriate solutions, and building an efficient personality in project work and practical environmental tasks.

Fourth Year - Year 4 is the time to develop your competence in selected modules and prepare yourself for the challenges of working life

2. Program Specification

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

The department grants a bachelor's degree in environmental technologies, and there are no postgraduate programs in the department yet. Obtaining the initial certificate takes place after skipping the four academic levels, through attending lectures, participating in classroom activities, preparing laboratory reports, participating in systematic training programs, and succeeding in tests and examinations. It takes place throughout the four levels of academic journey, knowing that the academic system in the department is following the bologna process.

3. Program Goals

The department aims to prepare technical-environmental cadres concerned with environmental affairs in all its elements and works to graduate competent cadres specialized in the field of environmental technologies capable of diagnosing environmental problems and trying to develop appropriate solutions to them by linking the theoretical, laboratory and practical aspects of knowledge that the student receives through the years and stages of study Which extends for four years. The student graduates from the department is granted a bachelor's degree in the field of environmental science and technology and is qualified to work in the government departments and institutions and the mixed and private sectors concerned with environmental, health and related departments.

4. Student Learning Outcomes

The learning outcomes of the department for the primary study in the field of environmental technologies can be summarized in the following points:

1. Provide students with a broad understanding of the major.
2. To provide students with a sound foundation in the fundamentals and principles of engineering design and technical engineering analysis.
3. Meeting the needs and aspirations of individuals and the labor market by working to match technical education with these needs.
4. Graduate high-quality students with the understanding, knowledge, skill, and personal qualities to carry out careers in the field of environmental engineering technologies as well as in the field of scientific research.
5. Enable students to apply theoretical skills in the field of work.
6. Enable students to undertake technical engineering projects in the field of specialization and in accordance with the academic program.

7. Providing an educational environment that meets the academic requirements to enable graduates of the department to join scientific institutions of environmental sciences / environmental engineering technologies.

8. Enable students to complete their studies within the prescribed period according to international standards, and then enroll in postgraduate studies.

5. Academic Staff

ت	الاسم	اللقب العلمي
1.	أ.م.د. يسرى مجيد الشاكر	عميد الكلية
2.	أ.م.د. اياد فضيل قاسم	رئيس القسم
3.	م.د. علي بشير عزيز	معاون العميد للشؤون العلمية
4.	م.د. شيماء خليل عبدالله	معاون العميد للشؤون الإدارية
5.	م.م. عبدالله عبدالستار ذنون	مقرر القسم
6.	أ.م. محمد فخر الدين احمد	أستاذ مساعد
7.	أ.م. راند محمود فيصل	أستاذ مساعد
8.	د.ميادة احمد ابراهيم	مدرس
9.	د.ايمانعبدالمعظم محمد صالح	مدرس
10.	د.حازم جمعة محمود	مدرس
11.	م.د. رشا خالد صبري	مدرس
12.	م.د. تحسين علي حسين	مدرس
13.	م.د.عبدالستار جبير زين	مدرس
14.	م.د. علي زين العبدین حيدر	مدرس
15.	م. د. حسان حسان جاسم	مدرس
16.	م.د. مروان صالح جميل	مدرس
17.	م.ديانا نور الدين مصطفى	مدرس
18.	م.روى مظفر يونس	مدرس
19.	م.مثنىعبدالله مصطفى	مدرس
20.	م. وسام سعيد عبد	مدرس
21.	م.م. معن هاشم محمود	مدرس مساعد
22.	م.م. محمد عبد الرزاق ياسين	مدرس مساعد
23.	م.م.بركان معتصم مطشر	مدرس مساعد
24.	م.م. همسة برهان محمد(مجاز)	مدرس مساعد
25.	م.م. هناء عدالت حسن	مدرس مساعد
26.	م.م. عمر خير الدين محي الدين	مدرس مساعد

مدرس مساعد	م.م. فرح خزعل احمد	27.
مدرس مساعد	م.م. اوس نوفل احمد	28.
مدرس مساعد	م.م. عمر عبدالجبار عبدالله	29.
مدرس مساعد	م.م. احمد عبدالرزاق خضر	30.
مدرس مساعد	م.م. رحاب وعد داود	31.
مدرس مساعد	م.م. رغد حازم سعيد	32.
مدرس مساعد	م.م. مهند قاسم علي	33.
مدرس مساعد	م.م. مصطفى عامر ذنون	34.
مدرس مساعد	م.م. محمد سعد الله يونس	35.
مدرس مساعد	م.م. ليثا نوفل محمد	36.
مدرس مساعد	م.م. أسماء مؤيد سعد الله	37.
مدرس مساعد	م.م. بسملة غزوان غانم	38.
مدرس مساعد	م.م. الاء جاسم محمد	39.
مدرس مساعد	م.م. عيبر صالح عطية	40.
مدرس مساعد	م.م. زهراء محمد يونس	41.

6. Credits, Grading and GPA

Credits

University of Mosul is following the Bologna Process with the European Credit Transfer System (ECTS) credit system. The total degree program number of ECTS is 240, 30 ECTS per semester. 1 ECTS is equivalent to 25 hrs student workload, including structured and unstructured workload.

Grading

Before the evaluation, the results are divided into two subgroups: pass and fail. Therefore, the results are independent of the students who failed a course. The grading system is defined as follows:

GRADING SCHEME مخطط الدرجات				
Group	Grade	التقدير	Marks (%)	Definition
Success Group (50 - 100)	A - Excellent	امتياز	90 - 100	Outstanding Performance
	B - Very Good	جيد جدا	80 - 89	Above average with some errors
	C - Good	جيد	70 - 79	Sound work with notable errors
	D - Satisfactory	متوسط	60 - 69	Fair but with major shortcomings
	E - Sufficient	مقبول	50 - 59	Work meets minimum criteria
Fail Group	FX – Fail	راسب - قيد المعالجة	(45-49)	More work required but credit awarded

(0 – 49)	F – Fail	راسب	(0-44)	Considerable amount of work required
Note:				
<p>Number Decimal places above or below 0.5 will be rounded to the higher or lower full mark (for example a mark of 54.5 will be rounded to 55, whereas a mark of 54.4 will be rounded to 54. The University has a policy NOT to condone "near-pass fails" so the only adjustment to marks awarded by the original marker(s) will be the automatic rounding outlined above.</p>				

Calculation of the Cumulative Grade Point Average (CGPA)

1. The CGPA is calculated by the summation of each module score multiplied by its ECTS, all are divided by the program total ECTS.

CGPA of a 4-year B.Sc. degree:

$$\text{CGPA} = [(1^{\text{st}} \text{ module score} \times \text{ECTS}) + (2^{\text{nd}} \text{ module score} \times \text{ECTS}) + \dots] / 240$$

7. Curriculum/Modules

Semester 1 | 30 ECTS | 1 ECTS = 25 hrs

Code	Module	SSWL	USSWL	ECTS	Type	Pre-request
ENVT101	General Physics	104	71	7.00	C	
ENVT102	General Chemistry	102	98	8.00	C	
ENVT103	General Biology	95	80	7.00	C	
ENVT104	Mathematics	106	44	6.00	C	
UoM13215	English language	33	17	2.00	B	

Semester 2 | 30 ECTS | 1 ECTS = 25 hrs

Code	Module	USSWL	SSWL	ECTS	Type	Pre-request
ENVT105	Geology	72	78	6.00	C	
ENVT106	Analytical Chemistry	82	93	7.00	C	
ENVT107	Environmental Science	37	63	4.00	C	
ENVT108	Mathematics II	57	93	6.00	C	
UOM103	Computer Science	12	63	3.00	B	
UOM101	Arabic Language	17	33	2.00	B	
UOM104	Democracy and Human Rights	17	33	2.00	B	

Semester 3 | 30 ECTS | 1 ECTS = 25 hrs

Code	Module	SSWL	USSWL	ECTS	Type	Pre-request
ENVT212	Hydrology 1	90	35	5	C	
ENVT209	Fluids Mechanic 1	78	72	6	C	
ENVT211	Environmental Statistics	63	37	4	C	
ENVT213	Soil Physics	90	35	5	C	
UOM210	Environmental Chemistry 1	78	72	6	C	
UOM2012	Arabic Language 2	33	17	2	B	
UOM2050	The Crimes of the Baath Regime in Iraq	33	17	2	B	

Semester 4 | 30 ECTS | 1 ECTS = 25 hrs

Code	Module	SSWL	USSWL	ECTS	Type	Pre-request
ENVT214	Fluids Mechanic 2	90	35	5	C	
ENVT215	Hydrology 2	90	35	5	C	
UOM2032	Computer science 2	63	12	3	B	
ENVT218	Engineering Analysis	90	35	5	C	
ENVT216	Environmental Chemistry 2	90	35	5	C	
ENVT217	Environmental Geology	78	47	5	C	
UOM2022	English language 2	33	17	2	B	

8. **Contact**

Program Manager:

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Mobile no.:
