



Program_Catalogue | 2023-2024 | دليل البرنامج



University Of Anbar
Anbar University
College of Applied
Sciences - HIT
Department of
Environment

***First Cycle – Bachelor’s Degree (B.Sc.) – Sciences
of Environment***

بكالوريوس – علوم البيئة

1. Mission & Vision Statement	بيان المهمة والرؤية
2. Program Specification	مواصفات البرنامج
3. Program (Objectives) Goals	أهداف البرنامج
4. Program Student learning outcomes	مخرجات تعلم الطالب
5. Academic Staff	الهيئة التدريسية
6. Credits, Grading and GPA	الاعتمادات والدرجات والمعدل التراكمي
7. Modules	المواد الدراسية
8. Contact	اتصال

1. **Mission & Vision Statement**

Vision Statement

Scientific development, administrative excellence, and leadership in the field of university education and scientific research and the preparation of high-quality competencies stemming from the vision of the university and the college possessing professional and applied experience and the ability to keep pace with developments and challenges of the times.

Mission Statement

Continuous improvement in the scientific and research process through developing and diversifying educational programs in light of international standards and creating a stimulating environment for learning and creativity to serve society and meet the requirements of the market economy.

2. **Program Specification**

Programme code:	ENVI-00000	ECTS	240
Duration:	4 levels, 8 Semesters	Method of Attendance:	Full Time

It works to understand specializations related to various chemical, physical, biological and geological sciences and technologies used in treating pollution, such as chemical, physical and biological treatments, as well as methods of dealing with household and industrial wastes resulting from natural sources.

Environmental specialization has become at the forefront of human interest, especially in civilized countries, because of its direct relationship with human life and all of its activities. Therefore, the college has sought and strives diligently to provide an appropriate scientific and educational atmosphere for the purpose of attracting students interested in the environment and preparing them to be the nucleus of society in the environmental specialization and to contribute effectively and seriously in serving the local and global community because the environment suffers from an urgent need for such specializations, especially after the period of displacement and what our governorate and our country went through. .

The department works on a course system, where the study period is four years divided into two courses per year. After completing the study period with a grade higher than 50% for the subject, the student is awarded a bachelor's degree in environmental sciences. The graduate will then be qualified to work in the fields related to environmental sciences and complete postgraduate studies in various environmental specializations.

3. **Program Objectives**

1. Follow a methodology based on initiative and thinking about the future needs of society.
2. Preparing an experienced graduate capable of measuring environmental pollution tests.

3. Preparing a specialized graduate who is familiar with the theoretical and practical foundations of environmental sciences and their field applications, and providing him with the experience required by the future field of work.
4. Preparing a graduate who keeps pace with scientific developments, follows up on and is familiar with the latest technical developments regarding how to work on devices related to the environment and environmental pollution.
5. Preparing a generation committed to the principles and noble values of its society and belonging to its homeland and nation.
6. Instilling the importance of science and education in the graduate and how he will serve him and his country.
7. Opening channels of partnership and cooperation between the department and the private sector for the purpose of increasing the alignment between the quality of the department's outputs and the actual and practical requirements of the available jobs.
8. Diagnosing the sources of various types of pollution (industrial, agricultural, and domestic) and evaluating their effects on the air, water, and soil.
9. Develop the necessary plans to monitor and follow up on environmental pollutants (physical, biological and chemical) in the air, water and soil and monitor dangerous areas.
10. Assessing the toxic or environmental impact of hazardous or toxic pollutants such as gases emitted from sulfur springs, pesticides, untreated water from factories, public sewers, and solid and liquid waste.
11. Conduct quantitative analyzes of organic and inorganic pollutants using modern and sensitive scientific methods and estimate their levels in the natural environment.
12. Evaluating and innovating methods for treating pollutants.

4. **Academic Staff**

Audai sabah/ PhD. in animal physiology/ professor

Audai.sabah@uoanbar.edu.iq

07822061819

Dr.Ghassan Adnan Naeem

Email: aph.ghassanadnan70@uoanbar.edu.iq

Mobile No.:

07807084385

Assistant Professor Dr. Rabah Salim Shareef

ph.D. in Biosciences Engineering - Plant

eq.rabah.s.shareef@uoanbar.edu.iq

07807798897

Atyaf Abdul Qahar Younus / ph.D in Organic Chemsitry

Lecturer

atyaf.phd@uoanbar.edu.iq

07906181313

Anmar Shaker Jassim Mohammed

MSc pure physics

assistant Lecturer

Email:anmar90.a9@uoanbar.edu.iq

Mobile No.: 07816806686

Mustafa mahmood yacoub My PhD in Agricultural sciences in Soil and Water
I assistant teacher
Email: mustafa.yacoub1980@uoanbar.edu.iq
Mobile no.: 07800515211

Entisar nadhim shallal/ Msc. Animal Physiology/ Assistant lecturer
Email: entisarnadhim82@uoanbar.edu.iq
Mobil No: 07817208242

DuRaid Rasmi Mohammed
MSc Human geography
Assistant lecturer
Email: duraydalkaisy@uoanbar.edu.iq
Mobil No: 07800156338

Ihab Lateef Mikhilif Hamad
MSc Human geography
Assistant lecturer
Email: ihabalani@uoanber.edu.iq
Mobil No: 07515683556

Methaq Abdul Kareem Abdul waheed qoamaldeen
MSc Applied Mathematic
Assistant lecturer
Email: methaq90alheety@uoanber.edu.iq
Mobil No: 07811822460

Harith Abdulrahman Ahmed / PhD. in environmental studies / lecturer
 Harith.alnajjar@uoanbar.edu.iq
 07813056545

5. Credits, Grading and GPA

Credits

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 (0 – 49)	FX – Fail	راسب - قيد المعالجة	(45-49)	More work required but credit awarded
	F – Fail	راسب	(0-44)	Considerable amount of work required
Note:				
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.				

6. Curriculum/Modules

Semester 1 | 30 ECTS | 1 ECTS = 25 hrs

Code	Module	SSWL	USSWL	ECTS	Type	Pre-request
ENVI-11001	Human Rights and Demorcy	48		3.00	S	
ENVI-11002	Mathematics	48		4.00	B	
ENVI-11003	Biology (Plant)	79	2	7.00	B	
ENVI-11004	Arabic language	63		4.00	S	
ENVI-11005	Analytical chemistry	79	2	5.00	C	
ENVI-11006	Geology	64	2	6.00	B	

Semester 2 | 30 ECTS | 1 ECTS = 25 hrs

Code	Module	SSWL	USSWL	ECTS	Type	Pre-request
ENVI-12007	Fundamental of Ecology	48	27	3.00	S	
ENVI-12008	general physics	48	52	4.00	B	
ENVI-12009	Biostatics	79	96	7.00	B	
ENVI-12010	Computer	63	37	4.00	S	
ENVI-12011	English Language	79	46	5.00	C	
ENVI-12012	Organic chemistry	64	86	6.00	B	

Semester 3 | 30 ECTS | 1 ECTS = 25 hrs

Code	Module	SSWL	USSWL	ECTS	Type	Pre-request
ENVI-23013	Plant taxonomy	79	46	5.00	B	
ENVI-23014	Environmental geology	64	61	5.00	B	
ENVI-23015	Fundamental of pollution	79	96	7.00	C	
ENVI-23016	Environmental chemistry	64	61	5.00	C	
ENVI-23017	Population dynamic	48	27	3.00	C	
ENVI-23018	Environmental Microbiology	64	61	5.00	B	

Semester 4 | 30 ECTS | 1 ECTS = 25 hrs

Code	Module	SSWL	USSWL	ECTS	Type	Pre-request
ENVI-24019	Climatology		63	12	B	
ENVI-24020	Plant Environmental	2	64	61	C	
ENVI-24021	Animal taxonomy	2	64	61	B	
ENVI-24022	Biochemistry	3	79	46	B	
ENVI-24023	Primary production	2	64	86	C	
ENVI-24024	Biology (Animal)	2	64	86	C	

Semester 5 | 30 ECTS | 1 ECTS = 25 hrs

Code	Module	SSWL	USSWL	ECTS	Type	Pre-request
ENVI-35025	Air pollution	79	71	6.00	C	
ENVI-35026	Aquatic Environmental	79	71	6.00	C	
ENVI-35027	Animal Environmental	79	71	6.00	C	
ENVI-35028	Biodiversity	48	52	4.00	C	
ENVI-35029	Research method	33	17	2.00	B	
ENVI-35030	Algal Environmental	79	71	6.00	C	

Semester 6 | 30 ECTS | 1 ECTS = 25 hrs

Code	Module	SSWL	USSWL	ECTS	Type	Pre-request
ENVI-36031	Water pollution	79	46	5.00	C	
ENVI-36032	Molecular biology	64	61	5.00	B	
ENVI-36033	Invertebrate environment	64	61	5.00	C	
ENVI-36034	Soil pollution	64	61	5.00	C	
ENVI-36035	Ecological physiology	63	62	5.00	C	
ENVI-36036	toxicology	64	61	5.00	C	

Semester 7 | 30 ECTS | 1 ECTS = 25 hrs

Code	Module	SSWL	USSWL	ECTS	Type	Pre-request
ENVI-37037	Community health	64	86	6.00	B	
ENVI-37038	Environmental legislation and laws	78	47	5.00	C	
ENVI-37039	renewable energy & Sustainable	48	52	4.00	C	
ENVI-37040	Epidemiology	64	86	6.00	B	
ENVI-37041	Elective 1	63	62	5.00	E	
ENVI-37042	Graduation project	77	23	4.00	C	

Semester 8 | 30 ECTS | 1 ECTS = 25 hrs

Code	Module	SSWL	USSWL	ECTS	Type	Pre-request
ENVI-38043	Elective 2	4	79	5.00	E	
ENVI-38044	Environmental impact assessment	3	63	5.00	C	
ENVI-38045	Environmental engineering	4	94	6.00	B	
ENVI-38046	Planning and Environmental Management	3	63	5.00	C	
ENVI-38047	Remote sensing	3	48	4.00	B	
ENVI-38048	radioactive pollution	3	48	5.00	B	

7. Contact

-
- **Atyaf Abdul Qahar Younus / ph.D in Organic Chemistry**
teacher
Atyaf.phd@uoanbar.edu.iq
Mobile No : 07906181313
 - **Mustafa mahmood yacoub My PhD in Agricultural sciences in Soil and Water**
teacher
Email:mustafa.yacoub1980@uoanbar.edu.iq
Mobile No.:07800515211
-
-
-