

Programme Catalogue

College Name	College Abbreviation
Science	SCI
Department Name (in English)	Department Abbreviation
Biology	BIOL
Department Name (in Kurdish)	
زیندهو مرزانی	
Department Name (in Arabic)	
علم الحياة	
1. Qualification awarded	
Bachelor of Science in Biology	
2. Length of programme	
4 Years	
3. Number of credits	
240 ECTS credits	
4. Level of qualification according to the National Qualification Framework and the European Qualifications Framework	
First cycle, Bachelor's degree	
5. Field(s) of study (e.g. ISCED-F)	
0511	
6. Specific admission requirements (if applicable)	
7. Specific arrangements for recognition of prior learning (formal, non-formal and informal) (if applicable)	
The programme may recognize formal credits earned in formal context if these credits are relevant to the programme and confirmed by the Transcript of Records.	
8. Qualification requirements and regulations, including graduation requirements	
Students should successfully complete all the core components and collect 240 ECTS credits	
9. Profile of the programme	
The Biology (BIOL) Department was established within the College of Science in 2006. Its first and main academic programme is the Bachelor of Science in Biology. The programme welcomed its first cohort of students in October 2006. The department of Biology endeavors towards excellence in teaching biological concepts and skills to graduate students, to prepare them for professional careers and more advanced study. Biology department increases students' technical and analytical skills to contribute meaningfully to an increasingly technological world. The department offers both lecture and laboratory courses around different areas of concentration. This department's goals and objectives are to provide undergraduate and graduate students with courses leading to a B.Sc. degree in Biology. Additionally, the department offers programs leading to the Master of Sciences and Doctor of Philosophy degrees. Internships, in turn, offer students valuable opportunities to apply their knowledge in real world settings. Internships also strengthen industry connections and help academic staff stay engaged with community needs, many of which can be addressed through students' graduation projects. Additionally, the programme includes a range of elective courses, allowing students to tailor	

their education according to their interests and evolving market demands.

10. Programme Educational Objectives

The Program Educational Objectives (POEs) of the Biology (BIOL) are to prepare graduates who will:

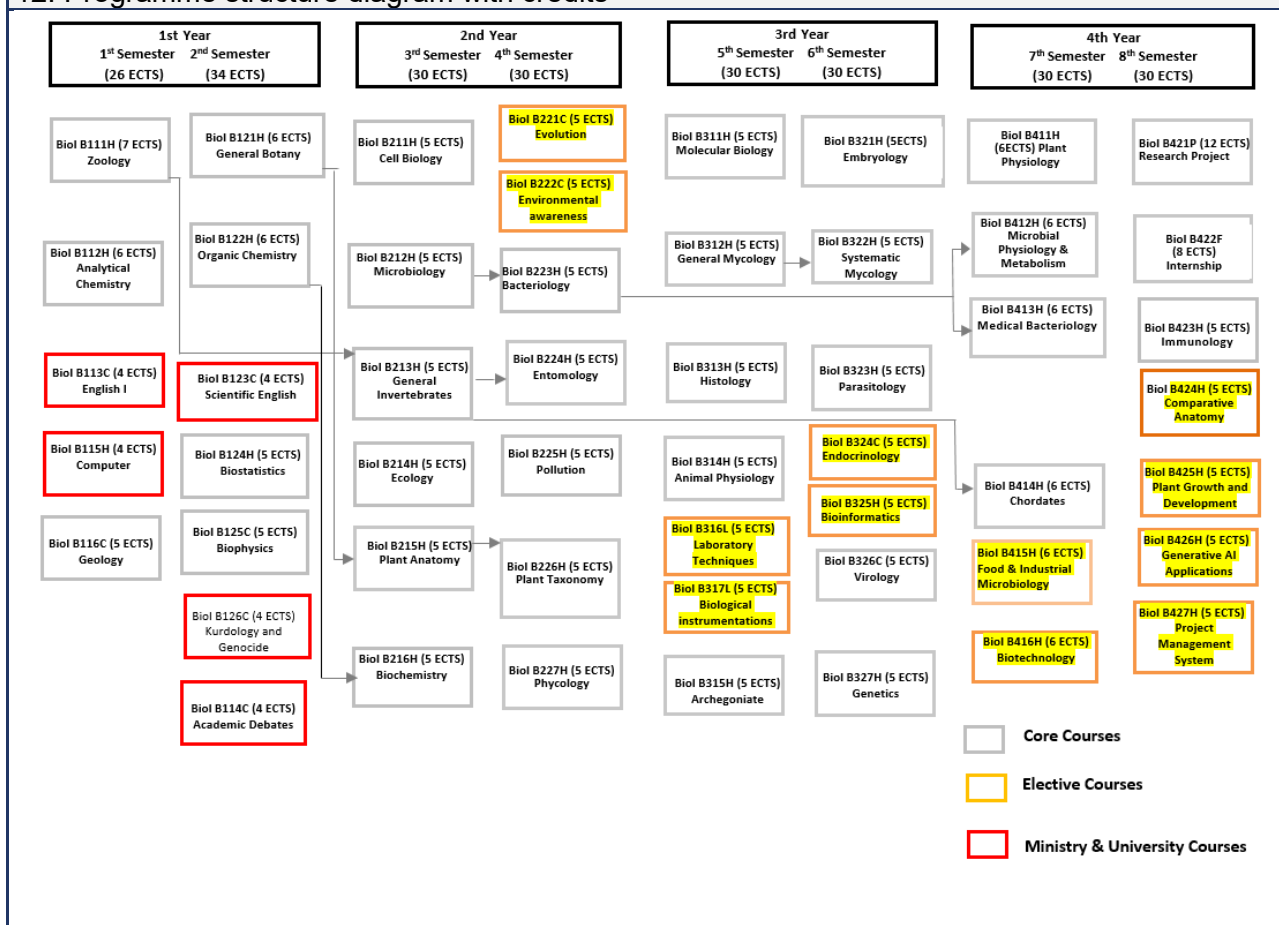
- 1- To continuously improve the quality of education in biology and its applications by aligning curriculum, teaching methodologies, and learning outcomes with current scientific advancements and educational best practices.
- 2- To promote impactful scientific research in biology that supports national priorities and aligns with the university's mission and strategic vision.
- 3- To prepare competent and qualified graduates with the knowledge, skills, and ethical values required to meet the changing demands of the job market and society, while promoting the adoption and effective application of modern biological technologies through academic, research, and community service activities.
- 4- To foster active community engagement through partnerships, outreach initiatives, and applied biological research that contribute to mutual growth and societal well-being.

11. Programme learning outcomes

After successfully completing this programme, students should have:

- 1- Demonstrate fundamental knowledge in cell biology, genetics, physiology, and ecology.
- 2- Apply laboratory and field techniques to analyze biological data.
- 3- Design and conduct experiments, interpret results, and draw scientific conclusions.
- 4- Evaluate scientific literature and synthesize evidence.
- 5- Communicate biological concepts effectively in written and oral forms.
- 6- Use digital tools and bioinformatics for biological data analysis.
- 7- Exhibit ethical and professional conduct in research and practice.
- 8- Developing and updating the curriculum to reflect the current scientific revolution.

12. Programme structure diagram with credits



13. Mode of Study

Full time on campus																	
14. Examination regulations and grading scale																	
<table border="1" style="width: 100%; border-collapse: collapse; margin-bottom: 10px;"> <tr> <th style="width: 30%;">% Points</th> <th style="width: 70%;">Grade</th> </tr> <tr> <td>90 – 100</td> <td>Excellent</td> </tr> <tr> <td>80 - < 90</td> <td>Very Good</td> </tr> <tr> <td>70 - < 80</td> <td>Good</td> </tr> <tr> <td>60 - < 70</td> <td>Medium</td> </tr> <tr> <td>50 - < 60</td> <td>Pass</td> </tr> <tr> <td>0 - < 50</td> <td>Fail</td> </tr> </table> The following grading scale is used:				% Points	Grade	90 – 100	Excellent	80 - < 90	Very Good	70 - < 80	Good	60 - < 70	Medium	50 - < 60	Pass	0 - < 50	Fail
% Points	Grade																
90 – 100	Excellent																
80 - < 90	Very Good																
70 - < 80	Good																
60 - < 70	Medium																
50 - < 60	Pass																
0 - < 50	Fail																
15. Mobility window (if applicable)																	
16. Work placement(s)/internships (if applicable)																	
The programme includes a 8 ECTS internship opportunity in semester 8																	
17. Work-based learning (if applicable)																	
18. Programme director or equivalent																	
Bakhtyar Nader Ali bakhtyar.ali@uod.ac																	
19. Occupational profiles of graduates																	
Here are three distinct "occupational profiles" or career tracks common for biology graduates. 1. The Clinical & Healthcare Track: This is the most common path. These professionals use their knowledge of human biology to diagnosis diseases by performing medical laboratory tests 2. The Research & Biotechnology Track: This profile focuses on discovery and product development. 3. The Environmental & Conservation Track: This profile is for those who prefer boots-on-the-ground work. It focuses on the relationship between organisms and their environment.																	
20. Access to further studies																	
Graduates are eligible for further studies at higher diploma programmes or second-cycle (Master's) degrees in relevant disciplines.																	
21. Academic Staff																	
Full Name	Qualification	Academic title	Email														
Bakhtyar Nader Ali	PhD	Lecturer	bakhtyar.ali@uod.ac														
Hadi Hussein Hamad	MSc	Assist. Lecturer	Hadi.hamad@uod.ac														
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Dr. Asia AbdulHamid Mohammed Saadullah	PhD	Prof.	asia.saadullah@uod.ac														
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Sara Ayob Hussein	MSc	Assist. Lecturer	sara.ayob@uob.ac
Paiman Abdullah Khudhur	MSc	None	paiman.abdullah@uod.ac
Lara Danial Esho	MSc	None	lara.daniel@uod.ac

22. Facilities and Resources (Lecture halls, Labs, etc.)

The programme uses these facilities:

Type	Quantity	Capacity (students)	Type of use	Equipment included
Lecture Hall	1	60	Dedicated	Projector, whiteboard
Lecture Hall	4	50	Dedicated	Projector, whiteboard
Computer Lab	1	30	Dedicated	10 benches each including 15 computers,. Projector, whiteboard
Microbiology lab	2	25	Dedicated	5 benches, Projector, whiteboard
Plant Lab	2	25	Dedicated	5 benches, Projector, whiteboard
Animal Lab	3	25	Dedicated	5 benches, Projector, whiteboard

23. Accreditation and recognition

The programme is officially recognized by the Ministry of Higher Education and Scientific Research of the Kurdistan Region – Iraq and the Ministry of Higher Education and Scientific Research of Iraq.