

1.

Programme Catalogue

College Name	College Abbreviation
Health Sciences	HSc
Department Name (in English)	Department Abbreviation
Anesthesia Sciences	AnSc
Department Name (in Kurdish)	
زانستى سركردن	
Department Name (in Arabic)	
علوم التخدير	
1. Qualification awarded	
Bachelor of Science degree in Anesthesia Sciences	
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)	
Anesthesia Sciences	
6. Specific admission requirements (if applicable)	
7. Specific arrangements for recognition of prior learning (formal, non-formal and informal) (if applicable)	
The program may recognize formal credits earned in formal context if these credits are relevant to the programme and confirmed by the Transcript 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 Anesthesia Sciences (ASD) Department was established within the College of Health Sciences in August 2012. Its first and main academic programme is the Bachelor of Science in Anesthesia Sciences. The programme welcomed its first cohort of students in October 2012. The programme is designed and regularly reviewed to meet the current and future needs of the Kurdistan Region and Iraq for qualified Anesthesia technologists. The curriculum adheres to ABET requirements and provides a balanced foundation across Anesthesia Sciences fields. Laboratory sessions further strengthen students' design abilities, teamwork, and hands-on technical skills. The graduation project is a major design component of the programme, promoting creative problem-solving and effective teamwork. Internships, in turn, offer students valuable opportunities to apply their knowledge in real world settings. Internships also strengthen health connections and help academic staff stay engaged with community needs, many of which can be addressed through students' graduation projects. Additionally, the programme help students to tailor their education according to their	

interests and evolving market demands.

10. Programme Educational Objectives

The Program Educational Objectives (POEs) of the Anesthesia Sciences department (AnSc) are to prepare graduates who will:

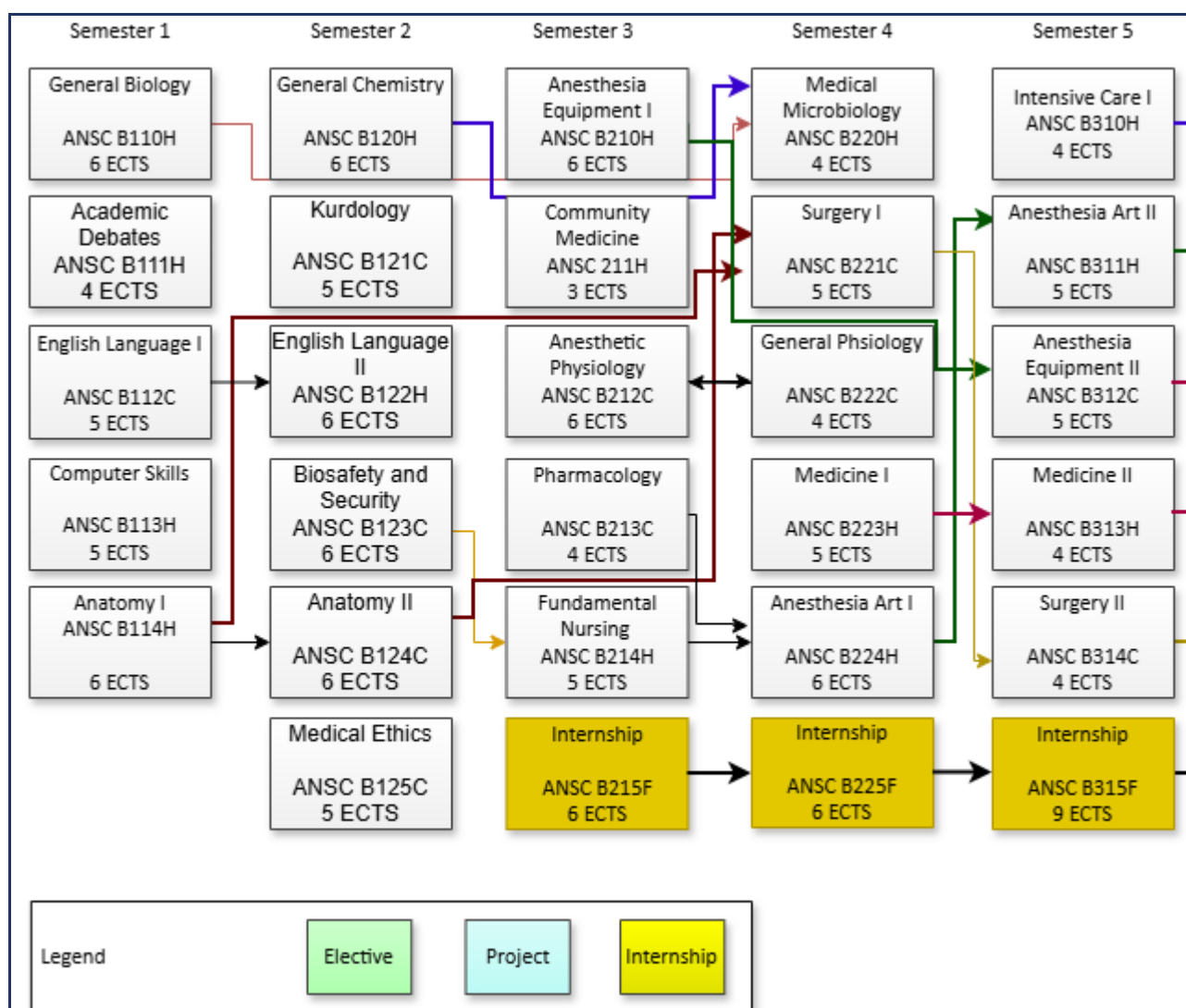
1. be competent, compassionate, and ethical healthcare professionals who can provide high-quality perianesthetic care as part of a healthcare team.
2. have a core knowledge of established and evolving biomedical and clinical sciences related to anesthesia. Students must be able to apply this knowledge in clinical situations using an analytical approach.
3. exhibit strong leadership, communication and teamwork skills, enabling them to work effectively within multidisciplinary teams.
4. engage in lifelong learning through advanced education, professional development, and certifications or other learning opportunities to adapt to evolving technologies, drive innovation, and contribute to the development of new technologies.

11. Programme learning outcomes

After successfully completing this programme, students should be able to:

1. apply core knowledge: Understand and apply foundational knowledge in anesthesia, physiology, and pharmacology to patient care.
2. combine knowledge of anesthesia procedures, patient care, and perioperative practices to manage patient care.
3. demonstrate the ability to safely and effectively administer anesthesia and manage nerve blocks.
4. practice effective communication skills with patients, families, and the inter-professional team.
5. practice ethical and moral behavior, maintain patient confidentiality, and apply ethical principles in all dealings.
6. contribute to self-performance evaluation and engage in continuous improvement.
7. demonstrate the ability to adapt to new information and techniques in the field.

12. Programme structure diagram with credits



13. Mode of Study

Full time on campus

14. Examination regulations and grading scale

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

15. Mobility window (if applicable)

16. Work placement(s)/internships (if applicable)

The programme includes a 6 ECTS internship opportunity in semesters 3,4,5,6, 7 and 8.

17. Work-based learning (if applicable)

18. Programme director or equivalent

Dr. Salar Ayob Sulaiman		salar.sulaiman@uod.ac																																																					
19. Occupational profiles of graduates																																																							
Graduates of Anesthesia Technology are allied-health professionals trained to assist anesthesiologists and provide safe patient care before, during, and after surgical or diagnostic procedures. Their occupational roles span clinical, technical, educational, and administrative domains. Main Roles include: Prepare anesthesia machines, drugs, and airway equipment; assist in giving anesthesia; monitor patients; maintain sterility and safety. Support anesthesia and surgical teams during operations; handle ventilators and monitoring devices. Set up ventilators, monitoring systems, and assist in patient transport. Help with airway management and CPR in emergency departments (with extra training). Maintain and troubleshoot anesthesia machines; perform quality checks. Teach students in labs or classrooms (with experience). Manage supplies, equipment inventory, and OR workflow.																																																							
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																																																							
<table><tr><th>Full Name</th><th>Qualification</th><th>Academic title</th><th>Email</th></tr><tr><td>Salar Ayob Sulaiman</td><td>PhD</td><td>Lecturer</td><td>salar.sulaiman@uod.ac</td></tr><tr><td>Haidar Nasir Mohammed</td><td>PhD</td><td>Assist. Prof.</td><td>haidar.mohammed@uod.ac</td></tr><tr><td>Waleed Jamil Omer</td><td>PhD</td><td>Assist. Prof.</td><td>drwaleedjamil@gmail.com</td></tr><tr><td>Shaimaa Hamid Hasan</td><td>PhD</td><td>Lecturer</td><td>shaimaa.Hasan@uod.ac</td></tr><tr><td>Hawar Muhammed Salih Hussen</td><td>PhD</td><td>Lecturer</td><td>hawar.Hussen@uod.ac</td></tr><tr><td>Reabar Haji Qadir</td><td>PhD</td><td>Lecturer</td><td>reabar.qadir@uod.ac</td></tr><tr><td>Mukhlis Naif Abdulqader</td><td>PhD</td><td>Lecturer</td><td>mukhlis.abulqadir@uod.ac</td></tr><tr><td>Majeed Hussen Mustafa</td><td>PhD</td><td>Lecturer</td><td>Majeed.mustafa@uod.ac</td></tr><tr><td>Hero Othman Haj Badri</td><td>MSc</td><td>Assist. Lecturer</td><td>hero.othman @uod.ac</td></tr><tr><td>Faheema Mahmood Ali</td><td>MSc</td><td>Assist. Lecturer</td><td>faheema.ali@uod.ac</td></tr><tr><td>Nishtiman Younis Mosa</td><td>MSc</td><td>Assist. Lecturer</td><td>nishtiman.mosa@uod.ac</td></tr><tr><td>Shilova Salih Khaled</td><td>MSc</td><td>Assist. Lecturer</td><td>Shilova.Khaled@uod.ac</td></tr></table>				Full Name	Qualification	Academic title	Email	Salar Ayob Sulaiman	PhD	Lecturer	salar.sulaiman@uod.ac	Haidar Nasir Mohammed	PhD	Assist. Prof.	haidar.mohammed@uod.ac	Waleed Jamil Omer	PhD	Assist. Prof.	drwaleedjamil@gmail.com	Shaimaa Hamid Hasan	PhD	Lecturer	shaimaa.Hasan@uod.ac	Hawar Muhammed Salih Hussen	PhD	Lecturer	hawar.Hussen@uod.ac	Reabar Haji Qadir	PhD	Lecturer	reabar.qadir@uod.ac	Mukhlis Naif Abdulqader	PhD	Lecturer	mukhlis.abulqadir@uod.ac	Majeed Hussen Mustafa	PhD	Lecturer	Majeed.mustafa@uod.ac	Hero Othman Haj Badri	MSc	Assist. Lecturer	hero.othman @uod.ac	Faheema Mahmood Ali	MSc	Assist. Lecturer	faheema.ali@uod.ac	Nishtiman Younis Mosa	MSc	Assist. Lecturer	nishtiman.mosa@uod.ac	Shilova Salih Khaled	MSc	Assist. Lecturer	Shilova.Khaled@uod.ac
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22. Facilities and Resources (Lecture halls, Labs, etc.)																																																							
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Microbiology Lab	1	20	Shared	Projector, whiteboard, benches
Physiology Lab	1	20	Shared	Projector, whiteboard, benches
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.				