

**Ministry of Higher Education and
Scientific Research - Iraq
University of Warith Al-Anbiyaa
College of Advanced Technologies
Department of Radiology and Nuclear Medicine**



***First Cycle – Bachelor’s degree (B.Sc.) – Radiology and Nuclear
Medicine***

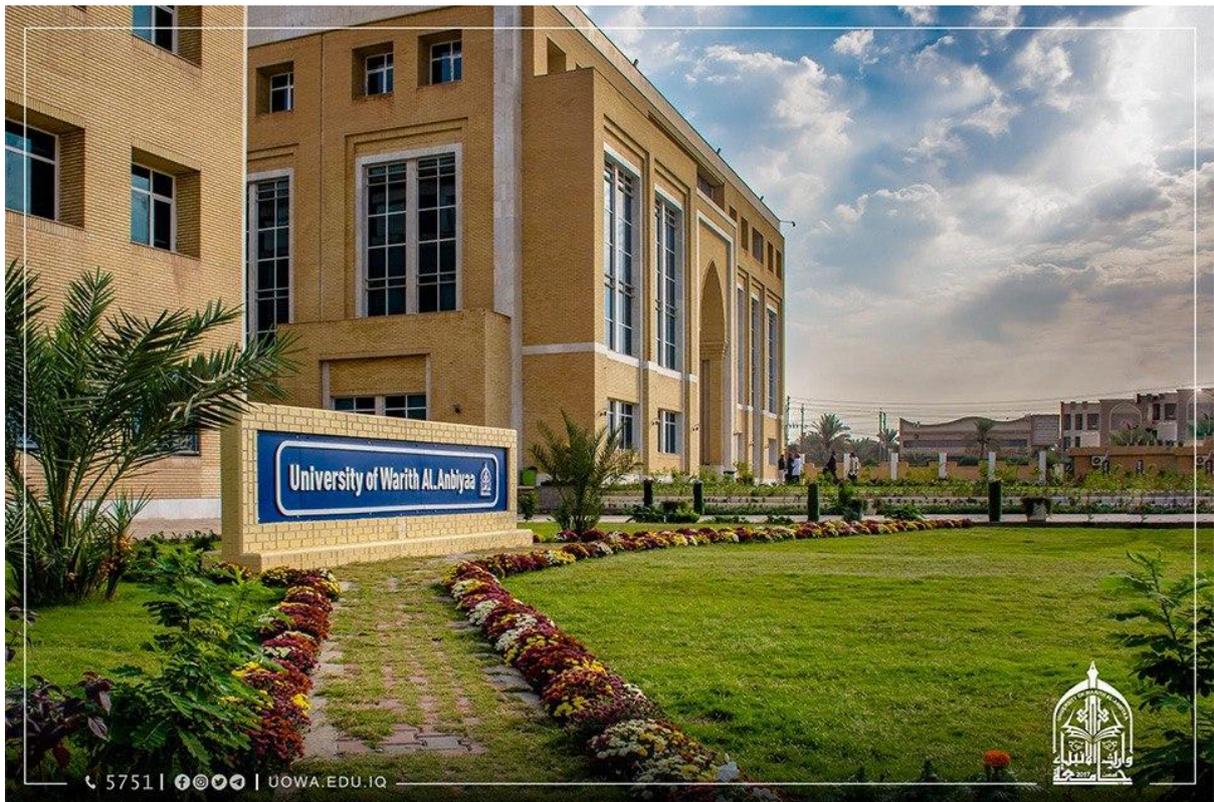


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1. Overview

This guide covers the courses offered by the Department of Radiology and Nuclear Medicine Technologies, leading to the award of a Bachelor's degree in Radiological Techniques and Nuclear Medicine. The program duration is four years (eight semesters), totaling 240 European Credit Units, with each European Credit Unit equivalent to 25 hours.

2. Undergraduate Courses 2025-2026

Module 1

Code	Course/Module Title	ECTS	Semester
UOW1001	English 1	2	1
Class (hr/w)	Lect/Lab./Prac./Tutor	SSWL (hr/sem)	USWL (hr/w)
3		45	2
Description			
The module aims of English Language (Beginner) are designed to help learners at the beginner level develop their English language skills and achieve specific learning objectives. The module introduces beginner-level learners to the English language, focusing on building vocabulary and acquiring essential language structures. It develops listening and speaking skills through interactive activities and engaging in basic conversational practice, while enhancing reading comprehension abilities by introducing simple texts and emphasizing vocabulary and sentence structures. The module is also designed to provide foundational writing skills, including sentence formation, paragraph writing, and completing basic forms.			

Module 2

Code	Course/Module Title	ECTS	Semester
RSNM100	Principles of Biology I	7	1
Class (hr/w)	Lect/Lab./Prac./Tutor	SSWL (hr/sem)	USWL (hr/w)
3	3	88	6
Description			
This course introduces students to the biological world through fundamental concepts and relationships			

in biology. It emphasizes understanding biology as an interconnected framework linked to other scientific disciplines. Laboratory activities provide hands-on experience to reinforce theoretical learning. By the end, students can comprehend general biological topics and engage in informed discussions on biological issues.

Module 3

Code	Course/Module Title	ECTS	Semester
RSNM101	Principles of Chemistry I	7	1
Class (hr/w)	Lect/Lab./Prac./Tutor	SSWL (hr/sem)	USWL (hr/w)
3	2	74	6
Description			
<p>This course is the first of a two-part sequence introducing fundamental principles of chemistry. It covers atomic structure, bonding, stoichiometry, states of matter, and basic thermochemistry. Laboratory activities and projects support hands-on understanding of chemical concepts. By completion, students can solve chemical problems, analyze matter in different phases, and report experimental results.</p>			

Module 4

Code	Course/Module Title	ECTS	Semester
RSNM102	College Algebra	6	1
Class (hr/w)	Lect/Lab./Prac./Tutor	SSWL (hr/sem)	USWL (hr/w)
3		46	4
Description			
<p>This College Algebra course builds on high school algebra to develop advanced mathematical skills and problem-solving abilities. It covers polynomials, functions, rational expressions, equations, complex numbers, inequalities, and graphing. The course emphasizes modeling and interpreting real-world situations using algebraic concepts. Students gain a strong foundation for higher-level mathematics and applications in science, engineering, and related fields.</p>			

Module 5

Code	Course/Module Title	ECTS	Semester
RSNM103	Anatomy and Physiology 1	8	1
Class (hr/w)	Lect/Lab./Prac./Tutor	SSWL (hr/sem)	USWL (hr/w)
3	2	74	32
Description			

This course provides an integrated overview of human anatomy and physiology, focusing on the structure and function of the body. It covers cells, tissues, and major organ systems, including skeletal, muscular, and nervous systems. The course combines theoretical concepts with practical laboratory experiences to explain homeostasis. By completion, students can identify body systems, explain their functions, and understand how they interact to maintain health.

3. Contact

Program Manager:

Yusor Fadhil Abdulameer | Ph.D. in Medical Microbiology | Lecturer

Email: yusor.fadhil@uowa.edu.iq

Mobile no.: 07724099504

Program Coordinator: Roaa Alkahazraji | Ph.D. in Philosophy of Science in Nursing |
Lecturer

Email: roaa.Majed@uowa.edu.iq

Mobile no.: 07722089449

Program Coordinator: Ali Masoodi | M.Sc in Information Technology | Asst. Lect.

Email: Ali.sabah@uowa.edu.iq

Mobile no.: 07706300798