

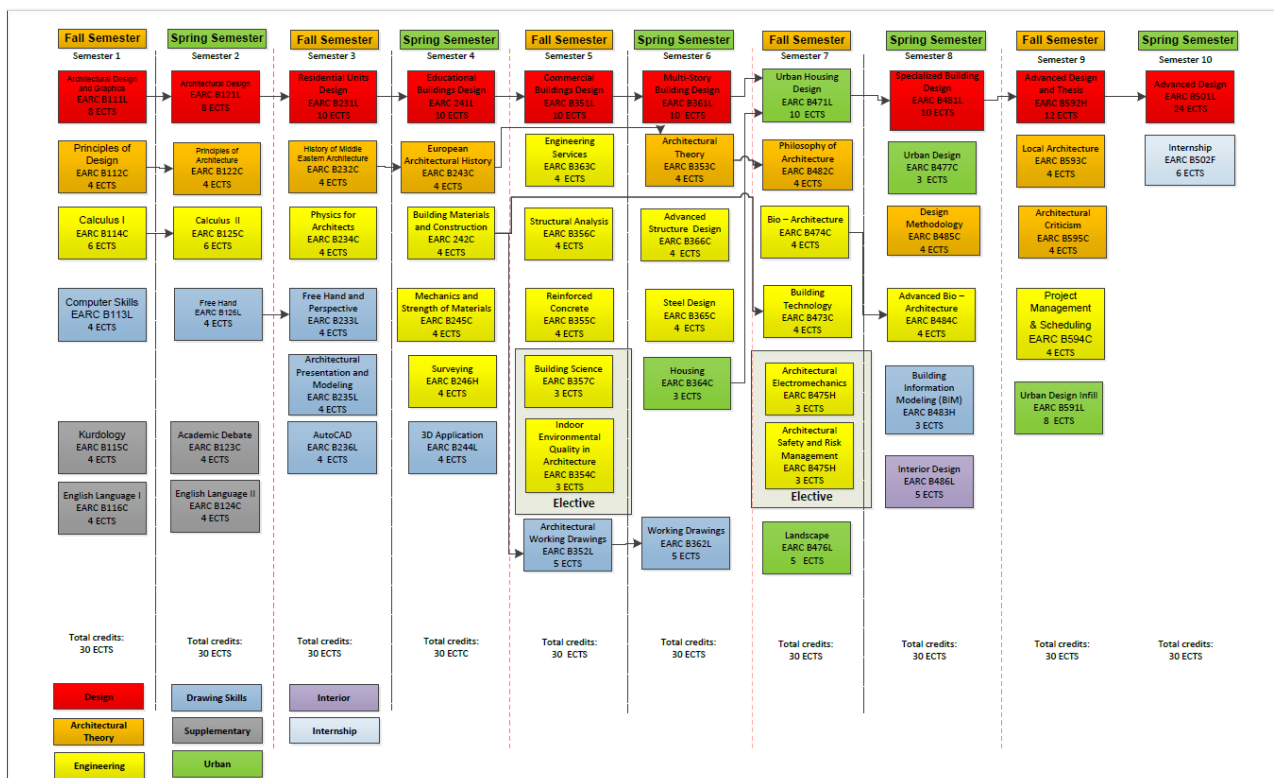
Program Catalogue

College Name	College Abbreviation
Engineering	ENG
Department Name (in English)	Department Abbreviation
Architectural Engineering	EArc
Department Name (in Kurdish)	
ئه ن دازياريا ته لارسازي	
Department Name (in Arabic)	
الهندسة المعمارية	
1. Qualification awarded	
Bachelor of Science in Architectural Engineering	
2. Length of program	
5 Years	
3. Number of credits	
300	
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)	
073	
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 program 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 300 ECTS credits	
9. Profile of the program	
The Architectural Engineering Department offers specific standards of Architectural education within five years under graduated programs, which lead to a bachelor degree in Architectural Engineering. The department provides education, skills, creative ideas and research service in Architectural Engineering. The graduated students will have knowledge and skills to create and contribute to comprehensive architectural engineering design covering design, functionality, aesthetics, environmental, sustainability and community safety	
10. Program Educational Objectives	
1. An ability to identify and analyze design problems in order to create architectural solutions using critical thinking and research-based approaches. 2. An ability to apply knowledge of mathematics, science, and engineering to solve complex architectural and structural problems. 3. An ability to assess the impact of architecture and urban contexts on shaping communities and promoting sustainability. 4. An ability to engage with architectural history, theory, and philosophy to understand the intellectual foundations of design and their impact on contemporary architecture. 5. An ability to analyze cultural context and local identity, applying historical insights to contemporary design.	

11. Program learning outcomes

1. Apply knowledge of mathematics, science, and engineering principles to analyze and solve complex architectural and structural problems.
2. Identify, formulate, and analyze architectural design challenges using critical thinking, investigation, and research-based approaches.
3. Design and develop architectural solutions integrating aesthetics, functionality, sustainability, and user needs through creative exploration and iteration.
4. Utilize advanced digital technologies, modeling, and visualization tools to enhance the architectural design process.
5. Demonstrate professional integrity and ethical responsibility in architectural practice, considering societal, cultural, and legal factors.
6. Evaluate and integrate ecological, social, and economic sustainability principles into architectural and urban design.
7. Engage critically with architectural theory and philosophy to inform and contextualize contemporary design practice.
8. Apply artistic and spatial creativity to produce innovative, functional, and expressive design outcomes.
9. Analyze architectural history and cultural context to create designs that reflect local identity and heritage.

12. Program structure diagram with credits



13. Mode of Study

Full time on campus

14. Examination regulations and grading scale															
The following grading scale is used:															
<table border="1"> <tr> <th>% Points</th><th>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>	% 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 program includes a 6 ECTS internship opportunity in semester 9															
17. Work-based learning (if applicable)															
18. Program director or equivalent															
Dr. Rana Fathy Farhan	rana.farhan@uod.ac														
19. Occupational profiles of graduates															
Graduates of this program are equipped with a strong foundation in architectural design, building technology, and the theoretical and professional principles of architecture. Their creative, technical, and analytical skills—combined with experience in studio-based learning, teamwork, and problem-solving—prepare them for diverse professional pathways in practice, research, and the built environment sector, while enabling them to respond to evolving social, environmental, and technological challenges. Typical roles for graduates include: 1. Architect / Architectural Designer: Designing and developing architectural projects across residential, commercial, cultural, and mixed-use sectors, from conceptual design to detailed development, in collaboration with multidisciplinary teams. 2. Urban Designer / Planner (Junior Level): Contributing to the design and analysis of urban spaces, neighborhoods, and public realms with consideration for social, environmental, and contextual factors. 3. Building Technology / Sustainability Specialist (Junior Level): Supporting the integration of construction systems, materials, environmental design strategies, and sustainable technologies in architectural projects. 4. Interior Architecture / Spatial Designer: Designing interior spaces that respond to functional, aesthetic, and human-centered requirements, including workplaces, housing, and public buildings. 5. Architectural Visualization and Digital Design Specialist: Producing architectural drawings, models, and digital representations using advanced design and visualization tools to communicate design intent effectively. 6. Research Assistant / Graduate Researcher: Participating in architectural research related to design theory, history, sustainability, housing, or emerging technologies, contributing to academic or applied research projects. 7. Entrepreneur / Design Consultant: Applying architectural knowledge to establish design studios, engage in consultancy, or develop innovative design-driven initiatives in architecture, urbanism, and the built environment.															
20. Access to further studies															
Graduates are eligible for further studies at higher diploma programs or second-cycle															

(Master's) degrees in relevant disciplines.

21. Academic Staff

Full Name	Qualification	Academic Title	Email
Rana Fathi Farhan	PhD	Assistant Professor	rana.farhan@uod.ac
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Hisham Hamed Yaseen	MSc		
Solin Rajab Zubair	MSc		
Lubna Abdul Khaliq Mohammed	MSc		

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

The programme uses these facilities:

Type	Quantity	Capacity (students)	Type of use	Equipment included
Lecture Hall	4	35	Dedicated	Projector, whiteboard
Design studio	4	40	Dedicated	Projector, whiteboard , 40 drawing boards, 40 stools
Computer Lab 1	1	42	Dedicated	22 Desktop computers, projector, whiteboard, internet
Free hand studio	1	40	Dedicated	40 stands, 40 stools
Library	1	15	Dedicated	5 tables

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.