Program Catalogue | 2025- 2026 |

University of Samarra

Bachelor of Science degree (B.Sc.) in Architectural Engineering

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1. Mission & Vision Statement:

- ***Mission:***

The mission of the Architectural Engineering (AE) department is to support the development of the Iraq and its region by providing an internationally competitive educational program, by establishing research, and by offering technical services related to architectural engineering.

- ***Vision:***

To be internationally recognized for the quality of the education offered, the relevance of its research, and the strength of its ethical values, yet one that serves the needs of the region and the Iraq in particular.

2. Program Specification:

Programme -code:	BSc-ARCH.	ECTS	300
Duration:	5 levels, 10 Semester	Method Of Attendance	Full Time

Architecture is the complex or carefully designed structure of something. Architecture is the art and technique of designing and building, as distinguished from the skills associated with construction. It is both the process and the product of sketching, conceiving, planning, designing, and constructing buildings or other structures.

Level I and 2 exposes students to the fundamentals of Architecture, suitable for progression to all programmes within Architecture program group. Programme-specific core topics are covered at Level 2 preparing for research-led subject specialist modules at Levels 3 and 4. A Leeds Architecture graduate is therefore trained to appreciate how research informs teaching, according to the University and School Mission statements.

At Levels 3 4,5 and 6 students are free to choose more than half of their module credits, they study both Architecture Design and Architecture Technology, to ensure the knowledge expected of a

graduate with an Architecture degree. This allows students to develop their own wide-ranging interests in Architecture. Decisions on what to study are made with input from personal tutors. It consists of five types are: Residential architecture., Commercial architecture., Landscape architecture., Interior design architecture. Urban design architecture. and green design architecture. Skills, followed by assessed exercises, e.g., essays and talks, as opportunities to practice these skills in a subject-specific context. Industrial placements are also offered, and individual needs are discussed with the appropriate tutor and accommodated wherever possible.

3.Program Goals:

Objectives

The objectives of the Department of Architectural Engineering are to:

- Provide an undergraduate program that meets national and international accreditation standards.
- Produce graduates who are competitive and marketable in the Iraq building design and construction industry.
- Offer architectural engineering services to the community and to the public and private sectors.
- Secure high-quality faculty, staff, and students to promote diversity and an environment of critical, creative, and independent thinking.
- Encourage applied research and scholarship in accordance with current architectural engineering practices and needs.

4. Student Learning Outcomes:

The graduate of this department can use the integrated scientific principles that are shared with the other graduates from different engineering departments such as the use of scientific and technical hunch at the level of

idea, production, mechanism, costs and efficiency by using technology of information and materials, so he can do his role in design, researching, production, developing, planning and architectural details. He can keep up with new technologies that relate with his work, also can work with a group and to communicate with the other engineers from different fields.

5. Academic Staff:

No.	Full Name	Academic Title	Degree	Phone No.	Email
1	Abbas Hadi Abbas	Professor	Master	7702646694	abbas.hadi@uosamaeea.edu.iq
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11	Mushtaq Hashem Kamel	Assistant Lecturer	Master	07716131460	
12	Muhanad Abdul-Jabba Hasan	Lecturer	Ph.D.	07702746545	
13	Mustafa Saddi Abdulmuhsin	Assistant Lecturer	Master	07707993629	
14	Rawaa Fadhil Hamdi	Assistant Lecturer	Master		
15	Amina Mahdi Abdulmajeed	Assistant Lecturer	Master	07728004236	
16	Lahib Bahjat Saeb	Assistant Lecturer	Master	07712833594	Laheebbahjat199@gmail.com
17	Maha Rahman Rahi	Assistant Lecturer	Master	07728908819	

6. Credits, Grading and GPA:

Credits

Samarra University is following the Bologna Process with the European Credit Transfer System (ECTS) credit system. The total degree program number of ECTS is 240, 30 ECTS per semester. 1ECTS is equivalent to 25 hrs. student workload, including structured and unstructured workload.

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			
Group	**Grade**	**Marks (%)**	**Definition**
Success Group (50 – 100)	A - Excellent	**(90-100)**	Outstanding Performance
	B - Very Good	**(80-89)**	Above average with some errors
	C - Good	**(70-79)**	Sound work with notable error
	D - Satisfactory	**(60-69)**	Fair but with major shortcoming
	E - Sufficient	**(50-59)**	Work meets minimum criteria
Fail Group (0 — 49)	FX -Fail	**(45-49)**	More work required but credit awarded
	F –Fail	**(0-44)**	Considerable amount of work required
Note			
Marks with 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			

-Calculation of the Cumulative Grade Point Average (CGPA):

I. The CGPA is calculated by the summation of each module score multiplied by its ECTS, all are divided by the program total ECTS.
CGPA of 5-year B.Sc. degrees:
CGPA = [(I st module score x ECTS) + (2nd module score x ECTS) +. 9. Curriculum/Modules Semester 1 Code Semester 2 Code Semester 3 Code 30 ECTS Module 30 ECTS Module 30 ECTS Module 1 ECTS = 25 hrs. SSWL USSWL ECTS Type 1 ECTS = 25 hrs. SSWL USSWL ECTS Type 1 ECTS = 25 hrs. SSWL USSWL ECTS Type / 300

7. Curriculum/Modules:

Curriculum for the Department of Architectural Engineering – University of Samarra

(Bologna Process)

FIRST YEAR

First Semester | 30 credits | 1 credit = 25 hours							
No.	**Module Code**	**Module Name in English**	**SSWL**	**USSWL**	**SWL**	**ECTS**	**Module Type**
			hr./sem	**hr./sem**	**hr./sem**		
1	AE1101	Architectural Design I	120	80	200	8	C
2	AE1102	Architectural Drawing, I	78	47	125	5	C
3	AE1103	Free Hand I	78	47	125	5	S
4	AE1104	Principles of Art and Architecture	63	37	100	4	C
5	AE1105	Mathematics	63	37	100	4	S
6	UOS-1102	Arabic Language	33	17	50	2	B
7	UOS-12012	Human rights, freedom and democracy	33	17	50	2	B
	Total		468	282	750	30	

Second Semester | 30 credits | 1 credit = 25 hours							
No.	**Module Code**	**Module Name in English**	**SSWL**	**USSWL**	**SWL**	**ECTS**	
			hr/sem	**hr/sem**	**hr/sem**		
1	AE1201	Architectural Design II	120	80	200	8	C
2	AE1202	Architectural Drawing II	78	47	125	5	C
3	AE1203	Free Hand II	78	47	125	5	S
4	AE1204	Building Construction I	63	37	100	4	C
5	AE1205	History of Architecture I	48	27	75	3	C
6	UOS-12011	English Language I	33	17	50	2	B
	UOS-1101	Computer I	48	27	75	3	B
	Total		420	330	750	30	

SECOND YEAR

Third Semester | 30 credits | 1 credit = 25 hours

No.	Module Code	Module Name in English	SSWL hr./se m	USSWL hr./se m	SWL hr./se m	ECTS	Module Type
1	AE211	Architectural Design III	150	100	250	10	C
2	AE212	Architectural Presentation	75	75	150	6	C
3	AE213	Structures I	63	37	100	4	C
4	AE214	Digital Design and Presentation - Auto CAD	63	37	100	4	S
5	AE215	Building Construction II	63	37	100	4	C
6	UOS-2303	Crimes of the Baath Regime	33	17	50	2	B
	Total		447	303	750	30	

Fourth Semester | 30 credits | 1 credit = 25 hours

No.	Module Code	Module Name in English	SSWL hr/sem	USSWL hr/sem	SWL hr/sem	ECTS	Module Type
1	AE221	Architectural Design IV	150	100	250	10	C
2	AE222	History of Architecture	63	12	75	3	C
3	AE223	Free Hand Drawing III	63	37	100	4	S
4	AE224	Digital Design and Presentation - Revit	48	27	75	3	S
5	AE225	Survey	48	27	75	3	S
6	UOS- 2304	Computer II	33	42	75	3	B
7	UOS- 2305	Arabic Language	33	17	50	2	B
8	UOS- 2306	English Language II	33	17	50	2	B
	Total		471	279	750	30	

Third YEAR

Fifth Semester | 30 credits | 1 credit = 25 hours							
No.	**Module Code**	**Module Name in English**	**SSWL hr./se m**	**USSWL hr./se m**	**SWL hr./se m**	**ECTS**	**Module Type**
1	AE311	Architectural Design V	150	100	250	10	C
2	AE312	Working Drawings I	48	27	75	3	C
3	AE313	Digital Design and Visualization (3ds Max)	63	37	100	4	C
4	AE314	Sanitary	48	27	75	3	S
5	AE315	History of Architecture II	48	27	75	3	C
6	AE316	Principles of Planning	48	27	75	3	C
7	AE317	Logic and Design Methodology	63	37	100	4	C
	Total		468	282	750	30	

Sixth Semester | 30 credits | 1 credit = 25 hours							
No.	**Module Code**	**Module Name in English**	**SSWL hr/sem**	**USSWL hr/sem**	**SWL hr/sem**	**ECTS**	**Module Type**
1	AE321	Architectural Design VI	150	100	250	10	C
2	AE322	Working Drawings II	48	27	75	3	C
3	AE323	English Language III	33	17	50	2	B
4	AE324	Air conditioning services	48	27	75	3	S
5	AE325	History of Architecture III	48	27	75	3	C
6	AE326	Architectural Conservation Methods	48	27	75	3	S
7	AE327	Structures II	93	57	150	6	S
	Total		468	282	750	30	

8.Contact

No.	Full Name	Academic Title	Degree	Phone No.	Email
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