



University of Warith Al-Anbiyaa/ Collage of Engineering



Ministry of Higher Education and Scientific Research
Scientific supervision and evaluation device
Department of Quality Assurance and Academic Accreditation
Accreditation Department



Academic Program and Course Description Guide



Academic Program Description Form

University Name: University of Warith AL-Anbiya

Faculty/Institute: College of Engineering

Scientific Department: Civil Engineering Department

Academic or Professional Program Name: Bachelor's in Civil Engineering
(B.Sc.) in Civil Engineering.

Final Certificate Name: Bachelor of Civil Engineering

Academic Degree System: Semester System & Bologna Process

Description Preparation Date: 2024/12/1

File Completion Date: 2024/12/29

Signature:

Head of Department: Dr. Qassim Ali

Date: 5/2/2025

Signature:

**Assistant Dean For Scientific
Affairs:** Dr. Hassan .T. Hashim

Date: 5/2/2025

The file is checked by: Dr. Salam Al-Rbeawi

Department of Quality Assurance and University Performance

Director of the Quality Assurance and University Performance

Department:

Date: 5/2/2025

Signature:

Approval of the Dean


أ.م.د. حسين هادي حسين
عميد كلية الهندسة



1. Program Vision

The Civil Engineering Department aspires to be a leading center of scientific and research excellence, driving innovation in civil engineering fields and applications, while adhering to the highest standards of quality in engineering education within its specialization.

2. Program Mission

1. Graduating engineering professionals with well-rounded leadership qualities, high skills, and strong professional ethics to meet the needs of both civil and military institutions related to the field of specialization.
2. Conducting research and studies, transferring knowledge, and localizing technology to serve and advance the community.
3. Providing a scientific environment that fosters creativity, supports outstanding and talented individuals, invests in their potential, enhances lifelong learning skills, and serves society within the scope of specialization.
4. Offering educational, academic, and professional guidance while strengthening national identity, fostering a sense of belonging, and loyalty to the country.

3. Academic Program Objectives

1. **Excellence in Professional Practice:** Achieving distinguished professional practice in civil engineering with the ability for self-learning, and developing and applying technical knowledge to solve engineering problems and deliver innovative and efficient designs.
2. **Enhancing Technical and Personal Skills:** Strengthening technical expertise and personal skills necessary for career advancement, including assuming leadership, supervisory, and administrative roles in civil engineering projects.
3. **Commitment to Ethics and Professionalism:** Adhering to high ethical standards and professional behavior in performing engineering duties, considering economic, social, and environmental impacts.
4. **Continuous Learning and Research Advancement:** Promoting continuous learning and enhancing research capabilities by pursuing higher education and engaging in advanced research within leading academic and industrial institutions in civil engineering.



4. Program Accreditation				
The program is scheduled to obtain accreditation on 2025/09/01.				
5. Other External Influences				
<ul style="list-style-type: none"> • Scientific Library • Scientific Laboratories • Computer Labs • Industrial Software • Internet Access Provision • Training Workshops, Seminars, and Field Visits to Construction Sites 				
6. Program Structure (Bologna Course System)				
Structure Component	Number of Courses	Credit Units	Percentage	Notes
Institutional Requirements	5	12		
College Requirements	7	37		
Departmental Requirements	34	150		
Summer Training	Yes	Fulfilled		
Other				
7. Program Structure (Semester system)				
Structure Component	Number of Courses	Credit Units	Percentage	Notes
Institutional Requirements	10	17		
College Requirements	12	19		
Departmental Requirements	48	146		
Summer Training	Yes	Fulfilled		
Other				



8. Program Description				
Credit Hours		Course Name	Course Code	Year/Level
practical	theoretical			
	3	English Language I	UoW011	First Stage - First Semester
	2	Human Rights and Democracy	UoW012	
	5	Mathematics I	ENG013	
3	1	Engineering Drawing	ENG014	
3	4	Physics and Workshops	ENG015	
2	4	Building Materials	ENG016	
	2	Arabic Language	UoW021	First Stage - Second Semester
2	1	Computer Science	UoW022	
	5	Mathematics II	ENG023	
	6	Engineering Mechanics	CIV024	
	6	Statistical Applications in Civil Engineering	CIV025	
	4	Engineering Geology	CIV026	
	2	English Language II	UoW031	Second Stage - First Semester
	4	Mathematics III	ENG032	
	4	Strength of Materials I	CIV033	
2	2	Concrete Technology I	CIV034	
2	3	Engineering Surveying I	CIV035	
2	6	Fluid Mechanics	CIV036	
4	2	Computer Programming	ENG041	Second Stage - second Semester
2	4	Building Construction	CIV042	
	4	Strength of Materials II	CIV043	
2	4	Concrete Technology II	CIV044	



2	3	Engineering Surveying II	CIV045	Third Stage- First Semester
1	2	Engineering Drawing with AutoCAD	CIV046	
	4	Reinforced Concrete I	WCV-31-01	
2	3	Soil Mechanics I	WCV-31-02	
1	2	Traffic Engineering I	WCV-31-03	
	4	Structural Analysis I	WCV-31-04	
	4	Irrigation and Drainage Engineering I	WCV-31-05	
	5	Numerical and Engineering Analysis I	WCV-31-06	Third Stage- second Semester
	3	Engineering Management I	WCV-31-07	
	4	Reinforced Concrete II	WCV-32-01	
2	3	Soil Mechanics II	WCV-32-02	
1	2	Traffic Engineering II	WCV-32-03	
	4	Structural Analysis II	WCV-32-04	
	4	Irrigation and Drainage Engineering II	WCV-32-05	
	5	Numerical and Engineering Analysis II	WCV-32-06	Fourth Stage - First Semester
	3	Engineering Management II	WCV-32-07	
	4	Foundation Engineering I	WCV-41-01	
1	3	Environmental and Sanitary Engineering I	WCV-41-02	
1	2	Road Engineering I	WCV-41-03	
	3	Steel Structure Design I	WCV-41-04	
	3	Hydrology I	WCV-41-05	
	3	Reinforced Concrete III	WCV-41-06	
	2	Hydraulic Structures I	WCV-41-07	
1	2	Construction Methods I	WCV-41-08	
4		Engineering Project I	WCV-41-09	
	4	Foundation Engineering II	WCV-42-01	



1	3	Environmental and Sanitary Engineering II	WCV-42-02	Fourth Stage - second Semester
1	2	Road Engineering II	WCV-42-03	
	3	Steel Structure Design II	WCV-42-04	
	3	Hydrology II	WCV-42-05	
	3	Reinforced Concrete IV	WCV-42-06	
	2	Hydraulic Structures II	WCV-42-07	
1	2	Construction Methods II	WCV-42-08	
4		Engineering Project II	WCV-42-09	

9. Expected Learning Outcomes for the Program

- 1- The ability to identify, formulate, and solve engineering problems by applying the principles of engineering, science, and mathematics
- 2- The ability to apply engineering design to produce solutions that meet specific needs while taking into account public health, safety, global, cultural, social, environmental, economic, and other factors appropriate to the specialty.
- 3- The ability to develop and conduct appropriate experiments, analyze and interpret data, and use engineering judgment to draw conclusions.
- 4- The ability to communicate effectively with a range of audiences
- 5- The ability to recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must take into account the impact of engineering solutions in the global, economic, environmental, and social context
- 6- The ability to recognize the ongoing need to acquire new knowledge, select appropriate learning strategies, and apply this knowledge
- 7- The ability to work effectively in a team whose members together provide leadership, create an inclusive, collaborative environment, set goals, plan tasks, and achieve objectives

10. Teaching and Learning Strategies

- Lectures
- Laboratories
- Workshops
- Methodical Training



- Scientific Field Visits

11. Assessment Methods

- Written Exams
- Quizzes
- Writing Scientific Reports
- Homework Assignments
- Scientific Seminars
- Graduation Project Defense Committees



12. Faculty						
Faculty Members						
Academic Rank	Specialization		Special Requirements/Skills (if applicable)		Number of the teaching staff	
	General	Special			Staff	Lecturer
Asst. Prof. Dr. Hussein Hadi Hussein		√			√	
Asst. Prof. Dr. Qasim Ali Hussein		√			√	
Asst. Prof. Dr. Wael Asim Mohammed Hussein		√				√
Lect. Dr. Mustafa Karim Hamza		√				√
Lect. Dr. Hadeel Jaloub		√				
Lect. Dr. Salam Razzaq		√				√
Asst. Prof. Dr. Anmar Faleh Deikan		√				√
Lect. Dr. Mustafa Naeem Kareem		√				√
Lect. Dr. Waleed Khalil		√				√
Lect. Dr. Israa Hassan		√				√
Asst. Lect. Jasim Mohammed Alawi		√				√
Asst. Lect. Abdullah Nasser Jawad	√					√
Asst. Lect. Noor Al-Huda Kadhem Hussein		√			√	
Asst. Lect. Heba Abdul Ameer Saleh		√			√	



Asst. Lect. Israa Mahdi Kadhem		√			√	
Asst. Lect. Wurood Hussein Ghadhban		√			√	
Asst. Lect. Ali Makki Mohammed Hassan		√			√	
Asst. Lect. Safaa Sabri Mohammed		√				√
Asst. Lect. Ghadeer Haitham Hassan		√				√
Asst. Lect. Zahraa Kareem Kadhem		√			√	
Asst. Lect. Sally Mowafaq Talib		√			√	
Asst. Lect. Abdul Rasool Thamer Abdul Rasool	√					√
Asst. Lect. Zainab Naeem Ghazi		√			√	
Asst. Lect. Fatima Jamal Hussein		√				√
Asst. Lect. Zahraa Khalil Hussein		√			√	
Asst. Lect. Mohammed Ali Aziz	√					√
Asst. Lect. Ghazi Jalal Kaeshesh		√				√
Asst. Lect. Mohammed Khairallah Mughir		√				√
Asst. Lecturer Barakat Saad		√				√
Asst. Lecturer Jasim Mohammed		√				√



13. Admission Criteria

- High school graduate from the scientific branch.
- Admission requirements for students are based on the guidelines issued by the Ministry of Higher Education and Scientific Research (Central Admission).
- Must be medically fit for the chosen specialization.
- Compliance with the specific admission criteria for the department.
- Student choices ranked by preference.
- High school graduation average required for admission.
- The department's capacity to accommodate students.

14. Key Information Sources about the Program

- Accredited sources in global universities.
- Local trends and directions.
- Market needs.
- Studies and surveys.
- Specialized seminars and workshops with relevant stakeholders.

15. Program Development Plan

Objective

To enhance the quality of the academic program to align with global standards and meet labor market demands while achieving academic accreditation.

Key Steps

- Analyze the Current Situation:
- Evaluate the curriculum and available resources.
- Gather feedback from students, alumni, and employers.

Develop a Development Plan:

- Update the curriculum by adding new courses and improving practical skills.
- Organize training sessions for faculty members.
- Enhance infrastructure (labs and technologies).

Implementation:



- Gradually apply the updated plan.
- Establish partnerships with industrial institutions.
- Improve student assessment mechanisms.

Evaluation and Follow-Up:

- Generate periodic performance reports.
- Introduce continuous improvements based on feedback.

Timeline

- Situation Analysis: 3 months.
- Planning: 3 months.
- Implementation: 6-12 months.

Follow-Up: Ongoing.

Performance Indicators

- Student and alumni satisfaction.
- Employment rate.
- Academic accreditation.