

**Ministry of Higher Education and Scientific
Research**

Al-Kitab University

College of Pharmacy

Academic program description



Academic Program and Course Description Guide

2025-2026

Form of Academic program description

University name: Al-Kitab University

College /Institute: College of Pharmacy

Name of the academic or professional program: Bachelor of Pharmacy

Final certificate name: Bachelor of Pharmacy

Academic system: Semester

Decrepitation preparation date:11-1 -2026

File completion date:11-1 -2026



Omeed

Signature:

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Date :11-1 -2026

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Department of Quality Assurance and University Performance

Name of the Director of the Quality Assurance and University Performance

Date:

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Approved by the Dean

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1. Program vision

In Al- Kitab Pharmacy, we strive to provide optimal and best education in order to graduate competent pharmacists capable of providing appropriate health care to improve the health condition in government medical institutions and private medical institutions in Iraq and abroad.

We look forward to being among the pioneers at the local and global levels in the field of developing pharmaceutical education and scientific research, and seeking a bright future in enhancing medical and humanitarian services.

2. Program message

The College of Pharmacy at Al-Kitab University is an educational institution whose goal is to improve human health by graduating qualified pharmacists who are able to be leaders in any environment as pharmacists and pharmacy scientists. The college provides a high-quality curriculum that develops thinking in critical times and problem solving.

The goal of our college is to provide the best pharmaceutical information and the latest educational methods and train pharmacists to participate effectively in providing health services to the community.

3. Program Goals

The Faculty of Pharmacy at Al-Kitab University aims to train students to be leaders in any environment as pharmacists and pharmaceutical scientists. The college provides a high-quality curriculum that develops thinking in critical times, problem solving, and effective leadership skills. The main meaning of our college's mission is pharmaceutical and social research

and clinical, as well as transferring the outputs of this research to the health care, service. The Faculty of Pharmacy program at our university also aims to

1. Providing the highest levels of knowledge, skills, and encouragement to students. the College of Pharmacy using the latest educational methods.
2. Providing the basics of pharmacy and pharmaceutical information to students through academic courses.
3. Demonstrate knowledge of medications focusing on correcting their prescription. How it works, ways to take it, doses, and side effects
4. Preparing a generation of qualified pharmacists, they are qualified to work in government health institutions, private health institutions, community pharmacies, pharmaceutical laboratories, and pharmaceutical factories. In addition to companies that market medicines.
5. Encouraging and developing the role of the pharmacist to be a vital and effective part of the health care team.
6. We seek to improve the quality of education, scientific research, and pharmaceutical practice to achieve the best standards
7. We seek to make the College of Pharmacy at Al-Kitab University distinguished among local and international colleges.
8. Effective contribution to spreading health awareness and culture in society

4. Program accreditation

The program does not have program accreditation

5. Other external influences

Practice sites- Office research - extracurricular activities - volunteer activities - other

6. Program structure

Program structure	Number of courses	Study unit	percentage	
Institution requirements	8	10	5.5 %	Basic
College requirements	54	170	94.4%	Basic
Satisfied				summer training
/	/	/	/	Other

7. Program Description

7. Program Description				Hours	
Year/level	Name of the Course	Course Code	Credit hours	Theoretical	Practical
Year 1, 1 st semester	Analytical Chemistry	KUPH111	4	3	2
	Medical Terminology	KUPH112	1	1	-
	Biostatistics	KUPH1141	2	2	-
	Human Anatomy and Histology	KUPH118	4	3	2
	Medical Physics	KUPH119	2	1	2
	Democracy and Human Rights	KUPH1110	2	2	1
Year 1, 2 nd semester	Pharmaceutical Calculations	KUPH122	4	3	2
	Organic Chemistry I	KUPH124	4	3	2
	Computer Sciences	KUPH126	2	2	1
	Arabic language	KUPH127	2	2	-
	Physiology I	KUPH1210	4	3	2

Year 2, 1 st semester	Medical Microbiology I	KUPH211	4	3	2
	Organic Chemistry II	KUPH212	4	3	2
	Physical Pharmacy I	KUPH213	4	3	2
	Physiology I	KUPH214	4	3	2
	Computer Sciences	KUPH215	2	2	1
	Baath Regime Crimes in Iraq	KUPH2110	2	2	-
	Arabic language I	KUPH2111	2	2	-
Year 2, 2 nd semester	Organic Chemistry III	KUPH221	3	2	2
	Medical Microbiology II	KUPH222	4	3	2
	Physical Pharmacy II	KUPH223	4	3	2
	Physiology II	KUPH224	4	3	2
	Pharmacognosy I	KUPH225	4	3	2
	Arabic language II	KUPH229	2	2	1
Year 3, 1 st semester	Pathophysiology	KUPH311	4	3	2
	Pharmacognosy II	KUPH312	3	2	2
	Biochemistry I	KUPH313	4	3	2
	Inorganic Pharmaceutical Chemistry	KUPH314	3	2	2
	Pharmaceutical Technology	KUPH315	4	3	2
Year 3, 2 nd semester	Organic Pharm. Chemistry I	KUPH321	4	3	2
	Pharmacology I	KUPH322	3	3	-
	Biochemistry II	KUPH324	4	3	2
	Pharmacognosy III	KUPH325	3	2	2
	Pharmacy Ethics	KUPH326	1	1	-
	Pharmaceutical and cosmetic preparations	KUPH328	4	3	2
Year 4, 1 st semester	Pharmacology II	KUPH411	4	3	2
	Clinical Pharmacy I	KUPH412	3	2	2
	Organic Pharmaceutical Chemistry II	KUPH413	4	3	2
	Biopharmaceutics	KUPH414	3	2	2
	Public Health	KUPH415	2	2	-
	Year 4, 2 nd semester	Pharmacology III	KUPH421	2	2
Organic Pharm. Chemistry III		KUPH422	4	3	2

	Clinical Pharmacy II	KUPH423	3	2	2
	General Toxicology	KUPH424	3	2	2
	Industrial Pharmacy I	KUPH425	4	3	2
	Communication skills	KUPH426	2	2	-
Year 5, 1st semester	Applied Therapeutics I	KUPH511	3	3	-
	Clinical Toxicology	KUPH512	3	2	2
	Industrial Pharmacy II	KUPH513	4	3	2
	Clinical Laboratory Training	KUPH514	2	-	4
	Organic Pharmaceutical Chemistry IV	KUPH515	2	2	-
	Clinical Chemistry	KUPH516	4	3	2
	Graduation Project	KUPH517	1	1	-
Year 5, 2nd semester	Pharmacoeconomic	KUPH521	2	2	-
	Applied Therapeutics-II	KUPH522	2	2	-
	Therapeutic Drug Monitoring (TDM)	KUPH523	3	2	2
	Advanced Pharmaceutical Analysis	KUPH524	4	3	2
	Hospital Training	KUPH525	2	-	4
	Drug Delivery Systems Design	KUPH526	2	2	-
	Pharmaceutical Biotechnology	KUPH527	1	1	-

7.Expected learning outcomes of the programmer

Knowledge

1. Qualifying the student to practice the teaching profession and assume responsibility for education	1. Knowledge, numbers of competent cadres capable of diagnosing and prescribing appropriate medications to treat medical . conditions In the health sector
2. Enabling the student to keep up with the methods of teaching pharmacy	2. Comprehension: Enabling the student to understand physiologicaldiseases and the causes of their occurrence, thus identifying ways to treat them and thus being able toprepare qualified cadres for service .in the government sector
3. Providing the student with the special skills needed in dialogues and discussions	3. Application: enabling the student to translate scientific theoretical concepts into practical procedures
4. Enabling the student to prepare an analysis and evaluation of patients' conditions and the extent to which they benefit from the medications prescribed .to them	4. Analysis: enabling the student to prepare an analysis and evaluationof patients' conditions and the extent to which they benefit from prescribed medications

Skills

Statement of learning outcomes	Subject-specific skills
1. Enabling the student to write scientific research	Appropriate and sufficient qualification -
2. Enabling the student to teach scientific Subjects	1.to bear the responsibility and burdens of the profession as pharmacists, whether in government sectors, pharmacies, teachers, or researchers
3. Enables the student to understand the of basic of pharmacy	2. Practice enables the student to applythe acquired science and pharmaceutical skills he learned during his studies
4. Enabling the student to conduct scientific discussions and dialogues within his	Within jurisdiction
	3.Mastery, development and advancement of skills and abilities
	4. Creativity: The student's ability to provide medical services and advice to other colleagues from the medical staff and patients

Ethics	
1. Dealing with patients with the ethics of the pharmacy profession	The pharmacist maintains the privacy of the patient and makes the security and safety of the patient and the community the first
2. Teamwork with other colleagues within the health care team in the work environment	The pharmacy student and the pharmacist deal with his classmates and colleagues in a team spirit goal of the pharmacy profession
8. Teaching and learning strategies	
<ul style="list-style-type: none"> ● Presentations ● Interactive discussions ● Brainstorming ● Small groups ● Research ● Flipped classrooms ● Panel discussions ● Field visits to institutions and entities associated with the work of the pharmacist ● Voluntary work, seminars, workshops and exhibition 	
9. Evaluation methods	
<ul style="list-style-type: none"> ● Individual and group assignments and reports ● Daily and weekly exams ● Assessment of practical skills ● Mid-term and final exams ● Graduation projects 	

10. Faculty members					
Academic Rank	Specialization		Special Requirements/Skills (if applicable)	Number of the teaching staff	
	General	Special		Staff	Lecturer
Professor	0	4		4	0
Assistant Professor	0	14		14	0
Lecturer	0	24		24	0
Assistant Lecturer	0	42		38	4

Professional development

Orienting new faculty members

- Teaching methods course
- Teaching validity course

Professional development for faculty members

Workshops, seminars and courses in:

- The methods and strategies of pharmaceutical education
- The basis for assessments and exam design
- Interactive education strategies
- Foundations and methods for updating and developing the curriculum

11. Acceptance standard

The student who is accepted into Iraqi universities and institutes is required to be Iraqi nationality

1-Possession of an Iraqi secondary school certificate, supported by certification from the General Directorate of Education in the governorate,

or an equivalent certificate the student must be born in 1995 onwards

2-High school GPA and physical health as approved by the Ministry of higher Education and Scientific Research

12. The most important sources of information about the program

- The College of Pharmacy, University of Al-kitab website, in Arabic and English
- University of Al-kitab website
- Website of the Ministry of higher Education and Scientific Research
- University of Al-kitab College of Pharmacy page on social networking sites
- The announcement boards and signs installed in the halls of the college
- Official documentation

13. Program development plan

- Incorporate Active Learning Strategies
- Expand the use of technology in education
- Foster Research and Inquiry
- Develop Practical Skills
- Encourage Interdisciplinary Collaboration
- Professional Development for Faculty
- Further Student-Centered Approach

Program Skills Outline

Year/Level		Course	Required program Learning outcomes																		
			Knowledge						Skills						Ethics						
			A1	A 2	A 3	A 4	A 5	A 6	A 7	B 1	B 2	B 3	B 4	B5	B 6	B 7	B 8	B 9	C1	C2	
First year		Analytical Chemistry	/							/	/			/	/				/	/	
		Medical Terminology			/					/	/							/			/
		Biostatistics	/							/								/			/
		Human Anatomy and Histology							/		/				/	/					/
		Medical Physics						/			/					/					/
		Democracy and Human Rights									/	/				/					/
		Pharmaceutical Calculations	/								/	/				/					/
		Organic Chemistry I			/						/	/							/		/
		Computer Sciences							/		/	/				/					/
		Arabic language	/									/							/		/
	Physiology I	/								/	/				/					/	

