

Republic of Iraq  
Ministry of Higher Education  
& Scientific Research

Al-Farahidi University  
College of Science  
Department of forensic  
evidence Science



جمهورية العراق  
وزارة التعليم العالي والبحث  
العلمي

جامعة الفراهيدي  
كلية العلوم  
قسم علوم الادلة الجنائية

# Academic Program

## Forensic Evidence Science

أ.د. احمد منعم حسون  
معاون عميد كلية العلوم

Dr. Ahmed Moneim Hassoun  
Assistant Dean for Scientific Affairs

أ.د. نضال عبد الصمد  
رئيس قسم الادلة الجنائية

Prof. Nidhal Abdul-Mohymen Mohammad  
Head of Forensic Evidence Department



Prof. Khulood Waheeb Abboud  
Dean of College of Science



Dr. Jamal Fadhil Tawfiq  
Director of the Quality Assurance Division

أ.د. خلود وهيب  
عميد كلية العلوم

Institution: Al-Farahidi University

College: College of Sciences

Department / Academic Program Name: Department of Forensic Sciences

Final Degree Name: Bachelor of Forensic Sciences

Academic System: Semester

Accreditation Program Used (ECTS): The European Credit Transfer and Accumulation System

Description Preparation Date / Academic Year 2023 – 2024

**Vision:**

Achieving leadership and excellence in the science and techniques of forensic evidence and understanding new scientific research methods.

**Department Mission :**

- 1- Prepare academically and professionally qualified graduates by providing applied academic programs that keep pace with scientific and technological developments in the field of forensic evidence.
- 2- Develop distinguished educational programs that consider the actual needs of students in the specialization field, meeting the requirements of the national development plan, and providing consulting services in forensic sciences.

**Objectives :**

- 1 .Develop technical and administrative competencies in forensic laboratories to keep pace with developments, utilizing various international experiences.
- 2 .Strengthen links and collaboration between researchers in scientific bodies and specialized research centers both nationally and internationally.
- 3 .Implement a practical and technical performance quality system in forensic laboratories through special programs that qualify students and researchers to acquire experience in using the latest scientific and digital technologies in analyzing results and evidence, supporting the legal information and skills acquired by the student during years of study.

**Learning Outcomes (Graduate Specifications) :**

Graduate students with the knowledge and skills necessary to work as effective members of teams operating in their specialties.

**Employment Opportunities for Graduates: Graduates of the department work in :**

- 1- Ministry of Interior
- 2 - Ministry of Defense
- 3- Ministry of Health
- 4- Ministry of Higher Education and Scientific Research
- 5- Ministry of Trading
- 6- Ministry of Environment
- 7-Private Sector (Hospitals, Private labs, Pharmaceuticals companies).

**Thinking Skills: Adaptability, analysis, problem-solving, and deduction abilities.**

**General and Transferable Skills (Other skills related to employability and personal development):**

**Teaching and Learning Methods :**

- 1- Lectures and seminars.
- 2- Practical experiments and laboratories work.
- 3- Specialty training courses and workshops.
- 4- Field visits.

**Assessment Method:**

- 1- Daily quizzes, periodic tests, and final exams.
- 2- Laboratory reports.
- 3- Practical projects.

**Program Structure :**

To obtain a bachelor's degree in forensic sciences, the student needs to successfully fulfill the curriculum requirements. The credit system is adopted for the second and third levels students, while the Bologna process is implemented for the first year students started the academic year 2023-2024.

**Key Information Sources from the Curriculum :**

- 1- Textbooks in the specialization field.
- 2- Specialized scientific books (auxiliary sources).
- 3- General and specialized computer programs .

# Study programme



Republic of Iraq - Ministry of Higher Education and Scientific Research  
**Al-Farahidi University**  
**Bachelor's degree in Forensic science (First cycle)**  
**Four years (Eight semesters) - 240 ECTS credits - 1 ECTS = 25hr**  
**Program Curriculum (2023 - 2024)**

جمهورية العراق - وزارة التعليم العالي والبحث العلمي  
**جامعة الفراهيدي**  
**بكالوريوس في علوم الأدلة الجنائية (الدورة الأولى)**  
**أربع سنوات (ثمانية فصول دراسية) - ٢٤٠ وحدة اوروبية - كل وحدة اوروبية = ٢٥ ساعة**  
**المناهج الدراسية للعام ٢٠٢٣ - ٢٠٢٤**



Level	Semester	No.	Module Code	Module Name in English	اسم المادة الدراسية	Language	SSWL (hr/w)							Exam hr/sem	SSWL hr/sem	USSWL hr/sem	SWL hr/sem	ECTS	Module Type	Prerequisite Module(s) Code
							CL (hr/w)	Lect (hr/w)	Lab (hr/w)	Pr (hr/w)	Tut (hr/w)	Semn (hr/w)								
UGI	One	1	FOR1101	General Biology 1	احياء عام 1	English	2	2			2		4	94	81	175	7.00	C		
		2	FOR1102	General Chemistry	كيمياء عام	English	2	2			2		4	94	81	175	7.00	C		
		3	FOR1103	Mathematical	رياضيات	English	2				1		3	48	52	100	4.00	C		
		4	FOR1104	Languages	لغة عربية	Arabic	2						3	33	42	75	3.00	S		
		5	FOR1105	Fundamental of Computer Science	مبادئ علم الحاسوب	English	2	2					4	64	36	100	4.00	B		
		6	FOR1106	Principles of forensic science	مبادئ علوم الأدلة الجنائية	English	2				1	2	3	78	47	125	5.00	B		
								12	0	6	0	6	2	21	411	339	760	30.00		
	Two	1	FOR1217	General Biology 2	احياء عام 2	English	2	2			2		4	94	81	175	7.00	C		
		2	FOR1228	Organic Chemistry	كيمياء عضوية	English	2	2			2		4	94	81	175	7.00	C		
		3	FOR1209	Introduction to Fuels and fire Acco	مدخل لمواد الوقود ومسرعات الحرائق	English	2				2	1	3	78	47	125	5.00	C		
		4	FOR12010	Calculus	رياضيات	English	2				2		3	63	37	100	4.00	S		
		5	FOR12012	Human rights	حقوق الانسان	Arabic	2					1	3	48	27	75	3.00	B		
6		FOR12011	Legal regulation of the criminal ex	التعليم القانوني للجبرين الجنائي	Arabic	2				1		3	48	52	100	4.00	B			
							12	0	4	0	0	2	20	425	325	760	30.00			
UGII	Three	1	FOR23013	Biochemistry	الكيمياء الحيوية	English	3	2			1		4	94	56	150	6.00	C		
		2	FOR23114	Genetics	الوراثة	English	3	2			1		4	94	56	150	6.00	C		
		3	FOR23015	Anatomy and physiology	التشريح والفسيولوجيا	English	3	2			1		4	94	56	150	6.00	C		
		4	FOR23016	Secretions and vital fluids	الإفرازات والسوائل الحيوية	English	3	2			1		4	94	56	150	6.00	C		
		5	FOR23017	Statistics and forensic applications	علم الاحصاء والتطبيقات الجنائية	English	2				1		3	48	27	75	3.00	B		
		6	FOR23018	crime science	مسرحة جريمة	English	2					1	3	48	27	75	3.00	B		
								16	0	6	0	5	1	22	472	278	760	30.00		
	Four	1	FOR24119	Molecular Biology	الاحياء الجزيئية	English	3	2			1		4	94	81	175	7.00	C		
		2	FOR24120	Analytical Chemistry	الكيمياء التحليلية	English	3	2			1		4	94	81	175	7.00	C		
		3	FOR24021	laboratory equipment and technique	اجهزة وتقنيات مختبرية	English	2	2					4	64	61	125	5.00	S		
		4	FOR24022	Forensic computer applications	تطبيقات الحاسوب الجنائية	English	2	2					4	64	11	75	3.00	C		
		5	FOR24023	Investigation and criminal investigati	التحقيق والبحث الجنائي	Arabic	2	2					4	64	11	75	3.00	B		
6		FOR22024	freedom and democracy	حرية وديمقراطية	Arabic	2						3	33	17	60	2.00	S			
7		FOR24124	english language 1	لغة انكليزية 1	English	2				1		3	48	27	75	3.00	B			
							16	0	10	0	3	0	26	481	289	760	30.00			
UGIII	Five	1	FOR35125	Molecular application	التطبيقات الجزيئية	English	3	2			2		4	109	66	175	7.00	C		
		2	FOR35126	Analytical Chemistry	التحليل اليميائي	English	3	2			2		4	109	66	175	7.00	C		
		3	FOR35027	Forensic chemistry	الكيمياء الجنائية	English	3	2			1		4	94	31	125	5.00	C		
		4	FOR35028	chemical and microscopic detection me	طرق الكشف الكيميائي والمجهري	English	2	2			1		4	79	46	125	5.00	C		
		5	FOR35029	tion to explosive materials and bo	تطبيقات في المواد المتفجرة والكمائن	Arabic	2				1		3	48	27	75	3.00	S		
		6	FOR35130	english language	لغة انكليزية 2	English	2						3	33	42	75	3.00	B		
							15	0	8	0	7	0	22	472	278	760	30.00			
UGIII	Six	1	FOR36131	Introduction to toxins and drugs	مقدمة في السموم والمخدرات	English	3	2			1		4	94	81	175	7.00	C		
		2	FOR36032	The effects of criminal evidence	تأثير الأدلة الجنائية	English	3				1		3	63	37	100	4.00	C		
		3	FOR36033	Criminal insects	الحشرات الجنائية	English	2	2			1	1	4	109	66	175	7.00	C		
		4	FOR36034	Genetic statistical analysis and da	التحليل الإحصائي الوراثي وأساسيات البيانات	English	2	1					3	63	37	100	4.00	C		
		5	FOR36035	Inks and dyes and their warnings	الاحبار والصبغات وتحذيراتهما	English	2	2			2		3	78	22	100	4.00	S		
		6	FOR36036	tissue , hair and fibers science	النسج والشعر والالياف	English	2				1	1	3	63	37	100	4.00	S		
							14	1	4	2	6	2	20	470	280	760	30.00			
UGIV	Seven	1	FOR47037	Environmental toxins and distrial pollut	السموم البيئية والملوثات الصناعية	English	3	2			1		4	94	81	175	7.00	C		
		2	FOR47038	identify defintion tools	ادوات تعريف البصمات	English	2	2			2		4	94	81	175	7.00	C		
		3	FOR47039	bioinformatics	المعلومات الحيوية	English	3	2			1		4	94	81	175	7.00	C		
		4	FOR47040	Basics of fingerprint analysis and fon	اساسيات تحليل بصمات الاصابع والخدوش	English	3	2			1		4	94	81	175	7.00	C		
		5	FOR41042	Job ethics	اخلاقيات مهنة	Arabic	2						3	33	17	60	2.00	S		
									13	0	8	0	2	3	19	409	341	760	30.00	
UGIV	Eight	1	FOR48042	inciples of Medical jurispruden	مبادئ الطب الشرعي	English	3	2			1		4	124	76	200	8.00	C		
		2	FOR48043	Defintion Tool and Fingerp	مفاتيح التعرف والتوقيعات	Arabic	3	2			2	1	4	124	76	200	8.00	C		
		3	FOR48044	english language	لغة انكليزية 3	Arabic	2				1		3	48	52	100	4.00	S		
		4	FOR48045	Cybercrime	الجريمة الالكترونية	English	2				1	2	3	93	57	150	6.00	B		
		5	FOR48046	Graduation project	مشروع بحث تخرج	Arabic	2	2			1	1	4	94	6	100	4.00	B		
									12	0	6	0	6	0	18	493	267	760	30.00	
							<b>Total</b>	<b>110</b>	<b>1</b>	<b>54</b>	<b>2</b>	<b>44</b>	<b>16</b>	<b>188</b>	<b>3603</b>	<b>2397</b>	<b>6000</b>	<b>240.0</b>		<b>Must be 240.0</b>

Note: The student should complete 4 weeks of Summer Internships to fulfill the requirements of the Bachelor's degree

Structured SWL (hr/w) type	CL	Class Lecture	Module type	B	Basic learning activities	SWL: Student Workload	
	Lab	Laboratory		C	Core learning activity		SSWL: Structured SWL
	Pr	Practical Training		S	Support or related learning activity		USSWL: Unstructured SWL
	Tut	Tutorial		E	Elective learning activity		
	Lect	Online lecture					
Semn	Seminar						

Note: Columns O, Q and R are progmaed, protected and should not be edited

## Council of the Department of Forensic Sciences

No	Name	Specialization	Degree	Membership
1	Nidhal Abdul-Mohymen Mohammad	Clinical immunology	Professor	Head of Department
2	Bushra Asem Nbhan	Biotechnology	Assistant Lecturer	Session Coordinator
3	Amjad Fawzi Ahmad	medical condition	Professor	Member
4	Hassan Ali AbdulRatha	Microbiology	Professor	Member
5	Bilal Kamil Sulaiman	Molecular Biology	Assistant professor	Member

## Staff

No	Name	Specialization	Degree
1	Amjad Fawzi Ahmad	Medical Condition	Professor
2	Hassan Ali Abdul Ratha	Microbiology	Professor
3	Bilal Kamil Sulaiman	Molecular Biology	Assistant Prof
4	Yaman Khalid Sadeq	Physical chemistry	Assistant Lect
5	Ali Ahmed Agha	Bioengineering	Assistant Lect
6	Zainab Zouher Salman	Biochemistry	Assistant Lect
7	Omar Qusay Abdullah	Law	Assistant Lect
8	Aya Ali Mohammed	Physical chemistry	Assistant Lect
9	Abdulrahman Mahmood Attallah	Microbiology	Assistant Lect
10	Abdullah Mohammed Hamad	Computer	Assistant Lect
11	Ruaa Mohammed Kareem	Neurophysiology	Assistant Lect
12	Qais Mawlood Abdulhameed	Biochemistry	Assistant Lect

**"The top three students in the Faculty of Science for the academic year 2022-2023."Top of Form**



**3- Amina Ayad Fadhil**



**2- Shams Saad Abdulhamid**



**1- Amina Abdulridha Zayer Wali**

No	Name	Grade average
1	Amina Abdulridha Zayer Wali	91.03 %
2	Shams Saad Abdulhamid	86.87%
3	Amina Ayad Fadhil	85%