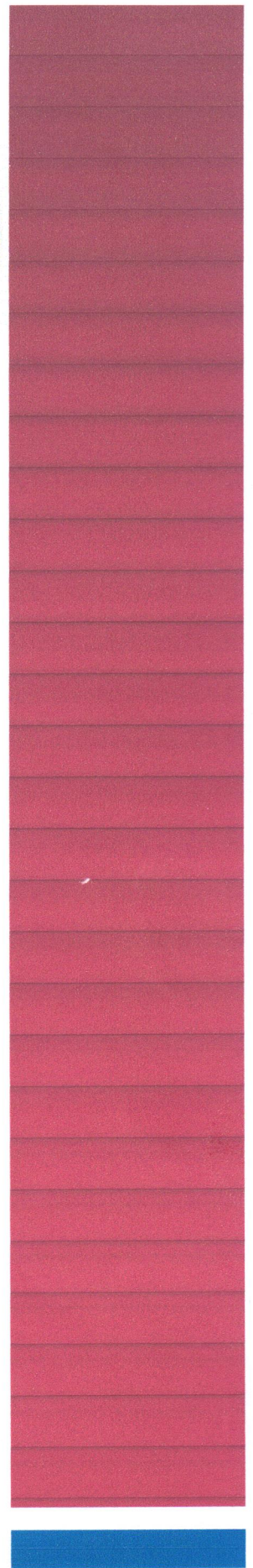


Ministry of Higher Education and Scientific Research
Scientific Supervision and Evaluation Authority
Quality Assurance and Academic Accreditation
Department



Description of Academic Programs
University of Hillah
College of Science
Department of Artificial Intelligence
Sciences

2026



University Name: University of Hillah

College/Institute: College of Science

Scientific Department: Department of Artificial Intelligence Sciences

Name of Academic or Professional Program: Bachelor of Artificial Intelligence Sciences

Name of Final Degree: Bachelor of Artificial Intelligence Sciences

Study System: Semester - Bologna Track

Description Preparation Date: 1/10/2025

File Filling Date: 15/10/2025

File Reviewed by Quality Assurance and University Performance Division

Name of Head of Quality Assurance and University Performance Division:

Date 30/3/2026

Signature



Ali Hussien



Dean's Approval

31/3/2026

1. Vision

To be a leading Artificial Intelligence department in developing AI technologies that contribute to improving the quality of society and achieving technological advancement while strengthening leadership in scientific research to support innovation and keep pace with modern developments

2. Program mission

We aim to prepare graduates in the field of Artificial Intelligence who possess the necessary skills to develop advanced intelligent systems that help address societal challenges and promote innovation across various industries, with a focus on leadership in scientific research to support sustainable solutions.

3. Program objectives

The program seeks to achieve the following objectives

- Provide students with a strong scientific foundation in AI concepts and technologies.
- Develop programming skills, data analysis, and intelligent model building.
- Prepare students to design and develop intelligent systems and modern applications.
- Enhance analytical thinking and problem-solving skills.
- Graduate students who are capable of working in both local and global job markets.

4. Programmatic accreditation

The program does not currently have accreditation as it is a newly established department(2023-2024)

5. External influences

The Artificial Intelligence program is influenced by rapid advancements in AI technologies and data science, as well as labor market demands in technical fields. It is also shaped by higher education policies, regulations, and academic quality assurance standards. Additionally, collaboration with academic and industrial institutions, along with feedback from graduates and employers, contributes to the continuous development and updating of the program to ensure high-quality educational outcomes.

6. Program Structure

Program Structure	Number of subjects	Number of units	percentage	Notes
Institutional Requirements	6	12	5%	Support
College Requirements	6	29	12%	Basic
Department Requirements	34	193	80%	Core
Summer training	Third			
Other	1	6	3%	Optional



Academic Program Objectives:

The Artificial Intelligence Science program aims to prepare graduates who possess the ability to develop intelligent systems and keep pace with the rapid advancements in computing and AI technologies. The program also seeks to qualify professionals capable of designing, developing, and operating AI applications efficiently to meet labor market needs and contribute to community service and sustainable development.

The program focuses on achieving the following objectives:

- Provide students with foundational knowledge in computer science, artificial intelligence, and machine learning.
- Develop skills in analyzing and designing modern software and computer systems.
- Prepare graduates capable of developing AI applications and improving their performance.
- Train students in using modern technologies such as cloud computing and data analysis.
- Qualify students to diagnose programming problems and propose appropriate solutions.
- Develop the ability to design efficient and cost-effective software systems.
- Enhance students' ability to work within multidisciplinary teams.
- Support scientific collaboration between the department and academic and industrial institutions locally and internationally.
- Keep up with scientific and technological developments through continuous curriculum updates.
- Contribute to community service by providing scientific and technical consultations in AI.

A- Cognitive objectives

The program aims to enable students to:

- A1: Understand fundamental concepts in computer science, AI, and machine learning.
- A2: Comprehend the mathematical and statistical principles used in developing AI models.
- A3: Analyze algorithms and data structures used in building intelligent systems.
- A4: Understand data analysis and data mining techniques and their role in decision-making.
- A5: Be familiar with deep learning concepts, neural networks, and their applications.
- A6: Understand the design and development of intelligent systems and their applications in various fields.
- A7: Recognize ethical and legal principles related to the use of AI technologies.

B- Program qualification objectives:

The program seeks to:

- B1: Prepare qualified personnel capable of developing and operating modern software systems.
- B2: Design and develop high-efficiency, cost-effective software solutions.
- B3: Provide scientific and technical consultations in computing and AI fields.



Teaching and learning methods

The program adopts a range of modern teaching methods, including:

- Theoretical lectures
- Practical laboratories
- Scientific seminars
- Applied projects
- Specialized training courses
- Exhibitions and scientific conferences in computing and AI

Evaluation methods

Daily exams, Midterm and final exams, daily attendance, laboratory reports, and annual evaluation.

C- Emotional and value objectives

The program aims to enhance students 'professional values through:

- C1: Developing creativity and innovation in designing computer systems
- C2: Promoting professional and ethical responsibility in the use of AI technologies
- C3: Developing communication and teamwork skills

D- Personal development planning

Includes scientific visits to research centers and technical institutions, participation in technology exhibitions, and specialized training courses in collaboration with companies and technical organizations.

E- Admission criteria

- Graduates of the sixth preparatory course for biological and applied branches.
- Graduates of technical institutes.

