

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

**2025**



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 5/3/2025

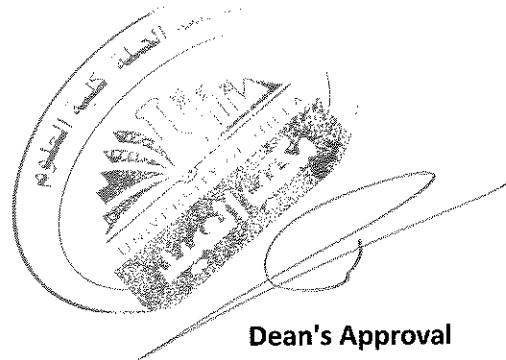
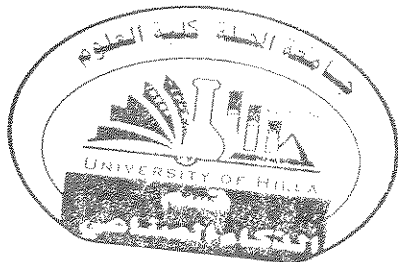
:File Filling Date 1/10/2024

File Reviewed by Quality Assurance and University Performance Division

:Name of Head of Quality Assurance and University Performance Division Ali Hussien

Date 2025/3/5

Signature



Dean's Approval

Prof. Dr. Ahmed Saleem Abbog

## 1. Vision

The Artificial Intelligence Department will be a pioneer in developing artificial intelligence technologies that contribute to improving the quality of society and achieving technological progress, enhancing scientific research leadership to support innovation and keep pace with the developments of the era

## 2. Program mission

We seek to qualify graduates in the field of artificial intelligence who possess the skills necessary to develop advanced smart systems that contribute to addressing societal challenges and enhance innovation in various industries, with a focus on pioneering scientific research to support sustainable solutions.

## 3. Program objectives

- Providing advanced education covering the latest AI technologies.
- Enhancing scientific research in the field of developing AI systems and smart applications.
- Training students to use AI tools and techniques to solve real-world problems.
- Strengthening partnerships with technical institutions to provide practical training opportunities and develop joint projects.
- Preparing specialized cadres that contribute to digital transformation and improving the quality of society through AI applications.

## 4. Programmatic accreditation

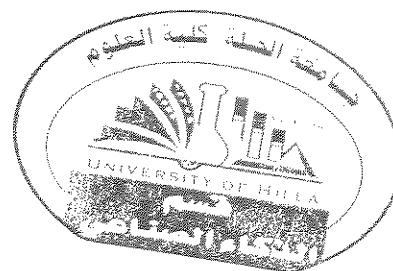
The program has no accreditation.

## 5. External influences

Monitor developments in the field of artificial intelligence and align curricula with these developments, benefit from international resources and meet labor market requirements.

## 6. Program Structure

Program Structure	Number of subjects	Number of units	percentage	Notes
Institutional Requirements	8	24	10%	Support
College Requirements	4	23	10%	Basic
Department Requirements	34	193	80%	Core
Summer training	Third			
Other				

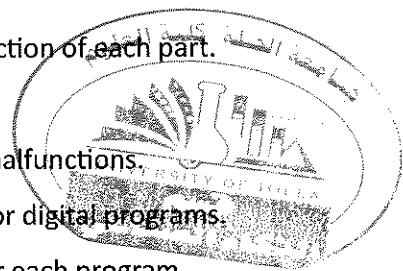


## Academic Program Objectives:

- The goal of the program is to graduate a cadre with scientific and practical skills in organizing the work of artificial intelligence.
- The program is designed to provide students with the necessary competencies to keep pace with the rapid developments in the field of artificial intelligence. It aims to provide them with the skills necessary to develop and update computer clouds.
- The installation and operation of various types of electronic devices is also an essential element of the program.
- In addition, the program contributes to and supervises the maintenance and calibration of various artificial intelligence programs.
- The program is designed to provide students with the scientific and practical skills necessary to diagnose and repair faults in artificial intelligence programs.
- The program aims to prepare competent scientists capable of keeping pace with the rapid development in the field of computer programs and equipped with the skills necessary to develop and update these programs.
- Students will also learn to install and operate various programs of various types.
- In addition, students will contribute to the maintenance, calibration and supervision of various artificial intelligence programs.
- Students will design, develop and explore alternatives for some parts related to the programs.
- Schedule and program periodic maintenance work.
- Working to enhance performance standards, including the application of international standards in the field of technical education.
- Keeping pace with developments in curricula
- Strengthening the links between the department and various segments of society
- Openness and communication with similar scientific institutions inside and outside the country.

## A- Cognitive objectives

- A1- The ability to segment and analyze programs and the function of each part.
- A2- The ability to diagnose computer program malfunctions.
- A3- The ability to provide appropriate solutions to program malfunctions.
- A4- The ability to provide an appropriate maintenance plan for digital programs.
- A5- The ability to set and study the appropriate conditions for each program.



## **B- Program qualification objectives:**

B 1- Training and developing technical cadres in operating and maintaining digital programs.

B 2- Designing highly efficient and cost-effective computer programs.

B 3- Providing scientific and practical advice in the field of computer science.

## **Teaching and learning methods**

Theoretical lectures, practical laboratories, scientific seminars, training courses and specialized exhibitions in the field of computers.

## **Evaluation methods**

Daily exams, semester exams, daily attendance, laboratory reports, and annual evaluation.

## **C- Emotional and value objectives**

C 1- Designing highly efficient and cost-effective computer programs

C 2- Providing scientific and practical advice

## **D- Personal development planning**

Scientific visits to specialized centers, specialized exhibitions and training courses by private companies

## **E- Admission criteria**

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

- Graduates of technical institutes

