Ministry of Higher Education and Scientific Research

Supervision and Scientific Evaluation Authority

Academic Program Description
University of Hillah
College of Science
Department of Computer Science and Information Technology

2026

University Information

University Name: University of Hillah

College/Institute: College of Science

Scientific Department: Computer Science Department

Academic or Professional Program Name: Bachelor's in Computer Science and Information Technology

Final Degree Awarded: Bachelor's in Computer Science and Information Technology

Study System: Semester-based – Bologna Process

Date of Program Description Preparation : 1/10/2025

Date of File Completion : 15/10/2025

File Reviewed by the Quality Assurance and University Performance Division

Quality Assurance and University Performance Division Head :

Date : 30/3/2026

Signature :

Ali Hussien

Dean's Approval

31/3/2026

1. Vision

To be a leading college in providing high-quality education in the fields of Medical Physics, Computer Science and Information Technology, Artificial Intelligence, and Forensic Science, enhanced by innovation, technology, and pioneering scientific research to meet societal needs and contribute to scientific knowledge development.

2. Program Mission

We aim to provide advanced academic programs in Applied Medical Physics, Computer Science and Information Technology, Artificial Intelligence, and Forensic Science to prepare distinguished graduates equipped with the knowledge and skills necessary to keep pace with rapid changes in science and technology. We also strive to enhance scientific research leadership to serve society and meet its evolving needs.

Program Objectives

- **-Deliver modern educational programs that cover technological and scientific advancements.**
- **-Prepare qualified graduates capable of applying knowledge and scientific skills in their specialized fields.**
- **-Enhance scientific research and innovation.**
- **-Develop academic programs to meet the changing job market needs in science and technology.**
- **- Promote community engagement and provide scientific and technological solutions to contemporary issues.**

Program Accreditation

The program does not currently hold any accreditation.

External Influences

Monitoring developments in computing devices and aligning curricula with these advancements, leveraging international resources, and fulfilling labor market requirements.

Program Structure

Program Component	Courses Number of	Credit Hours	Percentage	Notes
Institutional Requirements	-	-	-	Core
College Requirements	-	-	-	Core
Department Requirements	-	-	-	Core
(Summer Training (2nd & 3rd Year	-	-	-	-
Other	-	-	-	-

Academic Program Objectives:

- The program aims to graduate professionals with the scientific and practical skills necessary to organize software operations.
- The program is designed to equip engineers with the competencies required to keep pace with rapid advancements in digital computing. It aims to provide them with the skills needed to develop and upgrade computing hardware.
- Additionally, the installation and operation of various types of electronic medical devices are essential components of the program.
- Moreover, the program contributes to and oversees the maintenance and calibration of various computing devices.
- Medical Devices:
- The program is designed to equip students with the scientific and practical skills required to diagnose and repair device malfunctions.
- It aims to prepare competent scientists capable of keeping up with rapid developments in computer software and equipped with the necessary skills to develop and update such programs.
- Students will also learn how to install and operate different types of devices.
- Additionally, students will contribute to the maintenance, calibration, and supervision of various devices.
- Students will design, develop, and explore alternatives for some device-related components.
- Scheduling and programming routine maintenance tasks.
- Enhancing performance standards, including the application of international standards in technical education.
- Keeping up with curricular advancements.
- Strengthening connections between the department and various community sectors.
- Expanding communication and collaboration with peer scientific institutions inside and outside the country.

A. Cognitive Objectives

1. Ability to break down and analyze device components and their functions.
2. Ability to diagnose faults in hardware and software systems.
3. Ability to propose appropriate solutions for hardware issues.
4. Ability to develop suitable maintenance plans for digital programs.
5. Ability to establish and assess the appropriate conditions for each program.

B. Program Qualification Objectives

1. Train and develop technical personnel in operating and maintaining digital programs.
2. Design efficient and cost-effective computing programs.
3. Provide scientific and practical consultation in the field of computer science.

C. Teaching and Learning Methods

Theoretical lectures, practical laboratory work, scientific seminars, specialized training courses, and exhibitions in the field of computing.

D. Assessment Methods

Daily exams, semester exams, attendance records, lab reports, and annual evaluations.

E. Affective and Value-Based Objectives

1. Design high-efficiency and cost-effective computing programs.
2. Provide scientific and practical consultation.

F. Personal Development Planning

Scientific visits to specialized centers, participation in specialized exhibitions, and attending training courses organized by private sector companies.

G. Admission Criteria

1. Graduates of the sixth preparatory stage (Biological and Applied Science branches).
2. Graduates of technical institutes.