

Al-Farahidi University of Science

First Cycle – Bachelor’s degree (B.Sc.) – Medical physics department



Institution: Al-Farahidi University / College of Science / Department of Medical Physics

Program Name: Bachelor of Science in Medical Physics

Code: Medical Physics B.Sc.

Number of Credit Hours for the Program: 240 credit hours

Number of Academic Levels: 4 levels

Number of Courses for Level One / Semester One: 6 courses

Number of Credit Hours for Level One / Semester One: 30 credit hours

Number of Study Hours for Level One / Semester One: 750 hours

Mission and Vision:

The program aims to prepare and graduate support cadres for medical specialties, where students acquire knowledge and skills that enable them to work in health institutions and deal with medical devices, in addition to gaining knowledge in the field of medical physics to work in the environment, education, and all sectors related to the medical and health aspects in general.

Features:

The program is characterized by focusing on the practical aspect in addition to the theoretical scientific aspect so that the graduate can directly engage in the labor market after graduation without the need for training courses or qualifications.

Objectives:

Scientific Objectives:

1. To enable graduates to link general physics concepts and medical physics concepts specifically.
2. The ability to form new concepts and apply them in real life.

3. The ability to solve various problems in their field of specialization.
4. To establish a broad knowledge base that enables them to develop their capabilities and engage in postgraduate studies.

Skill Objectives:

1. The ability to operate medical devices, collect examination data, and understand how to interpret the results.
2. The ability to derive medical information from readings obtained from medical equipment.
3. The ability to assemble laboratory equipment to conduct physics experiments that support their specialization.
4. Preparation of medical reports in a simplified, understandable, and sequential manner based on the information obtained, suitable for the concerned party.

Program Outcomes:

A graduate of the program possesses the knowledge and skills in physics and medicine that enable them to enter the job market or pursue further studies. There is significant importance for such qualified individuals in medical specialties in the real world and job market.