



Yarmouk University

Faculty of
Science

Master's in Physics

Program Overview

The program seeks to achieve the university's vision of excellence and creativity in scientific research, community service, keeping pace with scientific progress, and graduating students with high theoretical and practical skills to contribute to community service and provide them with the skills of creativity, analysis, and logical thinking in specific physics topics and deepen understanding of physical facts.

Program Objectives

- Providing students with knowledge and skills related to a deep understanding of the principles of physics in its various branches: classical mechanics, electromagnetism, quantum physics, solid state physics, and nuclear physics.
- Work to develop students' research skills, including the ability to design experiments, collect and analyze data, and draw evidence-based conclusions.
- As well as enhancing commitment to continuous learning and scientific development, and encouraging students to keep pace with developments in various fields of physics.

Program Importance

Providing the labor market with graduates who have mental and mathematical skills, the ability to analyze, creative thinking, and the ability to solve problems. The ability to link pure theoretical sciences with applied sciences through mathematical models of microscopic and macroscopic physical phenomena.

Targeted Groups and Accepted Majors

Applicants for admission to the Master's program in Physics are required to have a bachelor's degree in physics, applied physics, engineering, or related disciplines and to have a strong interest in expanding their scientific knowledge and developing their abilities in this field.

Job Areas

- Jobs in universities or research institutions and teaching in institutes.
- Secondary school teachers in Ministry of Education schools.
- Teachers for the first stages of university teaching in physics departments in public and private universities.
- Some scientific and research institutions and industry field.
- The education sector in the Arab countries, especially in the Arab Gulf countries, both governmental and private.
- The graduate student can be enrolled directly in doctoral programs in various physics fields.

Credit Hours and Tuition Fees

The program consists of 33 credit hours, with tuition fees of 80 Jordanian Dinars per credit hour for Jordanians, and 300 USD per credit hour for non-Jordanians.

Study Plan Overview

There are two tracks of the program, one of which is research (thesis track) and the other is theoretical, general academic education (comprehensive track).

The Master's degree in Physics is awarded after completing the following requirements:

- Fulfilling the conditions stipulated in the Master's Program bylaws.
- Study deficiency courses decided by the department's graduate studies committee.
- Thesis track: Study no less than (24) credit hours at the (600) level and pass them with a cumulative average of no less than 75%, in addition to (9) credit hours for the thesis. As for the comprehensive track, the student must study no less than (33) credit hours at the (600) level and pass it with a cumulative average of no less than 75%.



Contact Information

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