



Yarmouk University

**Hijjawi Faculty for
Engineering Technology**

Master's in Engineering Management

Program Overview

The engineering management program focuses heavily on enabling the students to have the knowledge base of all areas related to industrial engineering and engineering management such as: operations management, systems analysis, operations research, engineering economics, project management and scheduling, quality, reliability engineering and maintenance, decision support systems, ergonomics, human performance and safety, and simulation. This enables the students to have a broad flexible career opportunity and explore the new advancements of this engineering discipline where people, technology, systems, business and information meet.



Program Objectives

The educational objectives of the engineering management program will be achieved within a few years after graduation, as follows:

- PE01: IE graduates will possess wide range of practical knowledge in diverse areas in engineering management to acquire a successful career in the government, regional and global industry and service markets.
- PE02: IE graduates will be continuously developing their skills throughout their careers or pursue innovative scientific research and continuing education.
- PE03: IE graduates will have professional skills, and principles of practice to effectively serve society in a multidisciplinary working environment with awareness of ethical and social responsibilities.
- PE04: IE graduates will appreciate the lifelong learning and acquire the appropriate skills required to acquire leadership positions and use multi-disciplinary teamwork and effective communication skills.

Program Importance

The Master's program in Engineering Management was created as a result of Yarmouk University's belief in the importance of this specialty and its connection to the Jordanian labor market, as the program will constitute an opportunity to develop the business environment in the Hashemite Kingdom of Jordan by providing the best management practices that will support the progress of the industrial and service sector in the Kingdom. The goal of establishing this program is to contribute to supporting the scientific and development renaissance in Jordan by establishing and completing research and pioneering projects in engineering management that are in the interest of the national economy and achieve the goals of development plans. The program also aims to improve the process of technological and applied education and its effectiveness by fortifying students with knowledge and experience in the field of engineering management to bridge the gap between the engineering and administrative aspects and achieve partnership with industrial entities in the public and private sectors.

Targeted Groups and Accepted Majors

Holders of a bachelor's degree in engineering are considered the target group for enrollment in the program, provided that they obtain a good grade in the bachelor's degree and pass the prescribed English language exam.

Applicants for admission to this program must do the following

1. He must have a bachelor's degree in industrial engineering or any engineering program with a grade of no less than good.
2. Fulfilling the English language requirements as set forth in the decisions of the Higher Education Council.

Job Areas

Graduates with the master degree in engineering management will the opportunity to work with the following sectors:

1. Service companies such as Banks and hospitals.
2. Industrial manufacturing companies.
3. Airports
4. E-commerce companies.
5. The Hashemite Kingdom of Jordan/Government Services Engineering.
6. Ministry of Public Sector Development.
7. Production planning and control
8. Safety and risk management
9. Supply chain and Logistics

Credit Hours and Tuition Fees

Total credit hours: 33 Hours

For Jordanian students: 120 JOD/Hour

For international students: 300 USD/Hour

Study Plan Overview

The minimum number of credit hours required to grant a student a master's degree in engineering management is 33 hours, distributed as follows:

Thesis track:


- 15 compulsory hours
- 9 hours elective
- 9 hours per message.

comprehensive exam track:


- 24 hours is mandatory
- 9 hours elective



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