



# Yarmouk University

## Hijjawi Faculty for Engineering Technology

## Master's in Construction Engineering and Management

### Program Overview

The Department of Civil Engineering at Hijjawi faculty for engineering technology offers the Master of Construction Engineering and Management program, which is designed to bridge the gap between advanced technical expertise and construction project management skills.

The construction industry in Jordan and the Middle East region is witnessing significant growth, driven by infrastructure development and an increased focus on sustainable construction practices. Graduates can benefit from these developments and find opportunities in both the public and private sectors, ranging from project management and structural design to sustainability consulting and risk management.



This program provides a strong foundation in structural design, modern construction techniques, and project management, preparing graduates for leadership and innovation in the construction of buildings, structures, and infrastructure. Graduates of this program are exceptionally prepared for the job market in Jordan and beyond, through a curriculum that integrates cutting-edge theoretical knowledge with Practical experience, where students are equipped to meet the challenges of modern construction projects, and acquire highly sought-after skills, such as advanced problem solving, effective project management, and the ability to integrate sustainability into construction practices.

### Program Learning Outcomes (PLOs):

1. An ability to identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics
2. an ability to apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, and welfare, as well as global, cultural, social, environmental, and economic factors
3. an ability to communicate effectively with a range of audiences
4. an ability to recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts
6. an ability to develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions

### Target Groups:

The programs' target groups are specific and strategically chosen to ensure that the program meets the needs of a diverse and dynamic set of learners.

**Recent Engineering Graduates:** This group includes fresh graduates who have completed their undergraduate studies in civil engineering, architectural engineering, or related fields. They are typically seeking to enhance their technical skills and gain specialized knowledge that will allow them to enter the construction industry with a competitive edge.

**Working Professionals:** These are individuals already employed in the construction, engineering, or related sectors who want to advance their careers. They seek to deepen their expertise, gain leadership skills, and improve their qualifications for higher-level management or specialized technical positions.

**Policy Makers and Government Officials:** Professionals involved in urban planning, infrastructure development, and regulatory roles who require an advanced understanding of construction management principles to guide policy development and implementation.

**Entrepreneurs and Business Owners:** Individuals looking to start or enhance their own construction-related businesses, needing thorough knowledge of the latest industry practices and project management skills to effectively run their enterprises.

**International Students:** Targeting students from outside Jordan who are looking to benefit from Yarmouk University's unique offerings. This program is suitable for international students who desire an education that prepares them for global standards in construction engineering and management.

### Credit Hours System:

The program is (33) credit hours

### Tuition fees:

Jordanian students: (120) Jordanian dinars per hour/Credit.

International students: (300) US dollars per hour/Credit.



### Contact Information

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