



Yarmouk University

**Faculty of  
Science**

# Master's in Applied Geoinformatics

## Program Overview

The Applied Geoinformatics program is the first established kind of programs in the Jordanian universities, as it involves using applicationsModern technologies in the fields of geographic information systems, remote sensing, and global navigation systems. Those technologies have applications in areas that cannot be limited to one field, but it extends to geography, geology, agriculture, surveying, and archaeologyEngineering, planning, management, military and security fields.



## Program Objectives

The program aims to provide students with advanced knowledge in different fields and their applications in scientific research and service Society by providing the spatial and analytical skills necessary to solve various problems and prepare Students to work in various related sectors or to study for a doctorate in the future.

## Program Importance

The program is characterized with a comprehensive and advanced theory for many modern topics such as spatial application development, Development and dealing with Big Data (Big and geo-crowd-sourced data). This program is depended primarily on collecting data in various ways, then analyzes it using various software to serve the decision-making process.

## Targeted Groups and Accepted Majors

Students wishing to enroll in this program must satisfy the following two conditions: 1) Have a bachelor's degree in earth and environmental sciences, geography, Geographic Information Systems, geology, environment science, natural resources, geomatics engineering, civil engineering, urban planning or any other related field approved by the department. 2) Meeting the English language requirements as outlined by the decisions of the Higher Education Council.

## Job Areas

- Royal Jordanian Geographical Center - Aqaba Special Economic Authority.
- Potash Company - National Electricity Company - Department of General Statistics.
- Ministry of Transport and Communications Sector - Ministry of Tourism and Antiquities - Ministry of Energy and Mineral Resources.
- Ministry of Public Works and Housing - Jordan Valley Authority - Phosphate Company - Civil Defense.
- The Jordanian Armed Forces - Public Security - the private sector, mining companies, surveying companies and consulting offices  
And engineering.

- Working in public and private schools in teaching and supervision.
- Working at universities in study centers and scientific laboratories as a supervisor, technician, or research and teaching assistant.

## Credit Hours and Tuition Fees

The program consists of 33 credit hours, with tuition fees of 100 Jordanian Dinars per credit hour for Jordanians, and 300 USD per credit hour for non-Jordanians.

## Study Plan Overview

Master's Degree in Applied Geoinformatics is awarded on the completion of the following requirements:

- 1) Meeting the conditions stipulated in the Master program bylaws.
- 2) Completion of deficiency courses recommended by the department graduate studies committee.
- 3) Studying and successfully passing at least (33) credit hours from the level of (600) and passing them with a cumulative average of no less than 75%.



## Contact Information

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