



Yarmouk University

Faculty of Educational Sciences

Master's in Mathematics Curriculum and Instruction

Program Overview

The Master's program in Mathematics Curriculum and Instruction is an advanced educational program aimed at enhancing the skills and knowledge of teachers and specialists in mathematics education. The program focuses on a deep study of mathematical education curricula and advanced educational theories that impact the learning and teaching process in this field. It also includes the use of the latest educational technologies and modern methods in designing and implementing mathematical lessons, enhancing student interaction and deep understanding of mathematical concepts. Additionally, the program involves the development of research skills and critical analysis, contributing to the advancement of knowledge and practical applications in the field of mathematics education.

Program Vision

Providing the educational environment in all countries and communities with thinkers who contribute effectively to the development of science and knowledge in their specialized fields.

Program Mission

The mission is to develop continuous assessment programs to ensure the achievement of the goals set during program preparation, allowing for adaptability and evolution capable of incorporating all rapid developments in the field of educational sciences.

Program Objectives

- Highlights contemporary trends and issues in the learning and teaching of mathematics.
- Enhances professional development for graduates in the field of mathematics education.
- Deepens the ability to understand school mathematics, its learning, and its teaching.
- Develops proficiency in educational research in the field of mathematics.

Program Outcomes

Upon completing a Master's program in Mathematics Curriculum and Instruction, students will be able to:

- Analyse students' needs and design innovative educational curricula suitable for their educational levels and individual needs in mathematics.
- Develop skills for using modern technologies in the learning and teaching process, enhancing student engagement and active participation in lessons.
- Enhance students' skills in presenting mathematical concepts interactively and innovatively, stimulating critical and creative thinking among students.
- Develop students' capabilities in conducting scientific research and applying research findings to improve educational practices and develop educational policies.
- Strengthen students' abilities to interact with students and the surrounding community within educational institutions, enhancing their role as specialized teachers and trainers in the field of mathematics.

Program Importance

A Master's program in Mathematics Curriculum and Instruction is essential for enhancing the quality of mathematical education in schools and educational institutions. The program contributes to developing teachers' skills in designing innovative curricula tailored to students' needs, thereby enhancing their understanding of mathematical concepts through interactive and innovative approaches. Additionally, the program trains teachers to use modern educational technologies and advanced pedagogical methods to stimulate active student engagement and participation, motivating them towards deep and independent learning in the field of mathematics.

Targeted Groups and Accepted Majors

The applicant is seeking admission to this program.

1. Meet the requirements set out by the Higher Education Council.
2. Hold a bachelor's degree in a subject that qualifies them for specialized study in the department they wish to enroll in, according to the criteria set by the department.
3. Pass the required language proficiency test to enroll in the program, according to the Higher Education Council's decisions.
4. The relevant committees and councils have approved any other conditions.

Job Areas

The Master's program in Mathematics Curriculum and Instruction provides graduates with opportunities in various fields, including:

1. Educational supervisors in schools within the Ministry of Education, private schools, and schools under the UNRWA.
2. Educational initiators capable of proposing educational initiatives and leading them to achieve their goals.
3. Faculty members at universities or administrative roles in institutes and colleges.

Credit Hours and Tuition Fees

The Master's program requires students to complete 33 credit hours.

The cost per credit hour is:

- Jordanian students: 70 Jordanian Dinars.
- Non-Jordanian students: 225 US Dollars.

Study Plan Overview

A master's degree is awarded in the field of Mathematics Curriculum and Instruction after completing the following requirements:

1. Fulfilment of the degree requirements.
2. Completion of any remedial courses determined by the Graduate Studies Committee in the department.
3. Completion of a minimum of 33 credit hours at the 600 level, with successful completion and a cumulative GPA of no less than 75%.



Contact Information

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