Yarmouk University

Faculty of Information Technology and Computer Science

Master's in Computer Science

Program Overview

The Master of Computer science is designed for students who seek a degree that prepares them for positions in organizations that design, develop or use computer systems. The program is intended to increase the supply of high-quality information technology professionals and to contribute to the professional advancement of employees in the information technology workforce.

Program Objectives

• Students will be able to demonstrate a broad knowledge of computer science that includes data structures, operating systems, computer programming skills, computer organization, algorithm design, and automata theory.

• Students will gain significant knowledge in one of the following computer science disciplines: database, networking, artificial intelligence, information security, and software engineering.

• Students will demonstrate the ability to recognize and design effective software solutions to problems.

• Students will demonstrate knowledge and understanding of professional ethics and responsible conduct.

• Students will become successful professionals able to obtain employment and/or be accepted into a computer science PhD program.

• Use research methods to investigate a problem from a technical, managerial and ethical perspective.

Program Importance

Graduates of this program find fulfilling work in software development, information technology, cybersecurity, software engineering, data science, and many other specializations. Earning a master's in computer science may lead to higher average salaries and offers the potential for steady job growth, which can contribute to a stable and potentially comfortable career in the field.

Targeted group and accepted majors

Applicants to the Master program in Computer Science must hold a bachelor's degree in any of the majors of Information Technology, Computer Science, or Computer Engineering. It is possible also to consider applicants from other disciplines related to information technology.

Job Areas

A graduate of the computer science major can work (locally, regionally and globally) in all private and governmental sectors that rely on computer systems in their work. For example, but not limited to, the graduate can work in:

• Software Developer
• Systems consultant

- Systems Programmer
- Network administrator
- Database Analyzer
- Scientific researcher
- Network security specialist
- Information Security Manager
- Data security analyzer
- Information Security Designer / Networks
- Teacher of Information technology

Number of credit hours

Study at least (33) credit hours from the 600 level and pass.

Tuition per credit hours

Jordanian student: 80 Jordanian dinars

International student: 300 US dollars

Study plan overview

The number of study hours is 33 hours, distributed as follows:

1- Compulsory courses for which either 15 credit hours or 24 credit hours according to the student track (thesis/comprehensive).

2- Elective courses (9) credit hours.

3- The master's thesis (9) credit hours for the thesis track or the comprehensive exam (0) hours for the comprehensive track.

Contact Information

📞 +962 - 2 - 7211111 Ext. 2632   @ it.fac@yu.edu.jo   📍 Irbid, Jordan