The Faculty at a Glance:

In the interest of Al-Zaytoonah University of Jordan to provide the local community with qualified graduates in the fields of science and information technology, the university established the Faculty of Science and Information Technology in 1993. Since then, the Faculty has kept pace with the new developments and requirements in the labor market and has become one of the largest faculties of the university. It currently includes six Bachelor's degree majors: Computer Science, Software Engineering, Artificial Intelligence, Cybersecurity, Mathematics, and Physics. Additionally, three majors are offered for the Master's degrees: Computer Science, Software Engineering, and Mathematics. The Faculty is working on creating a master's degree program in data science as one of the most important programs required in the labor market locally and globally. The Faculty comprises 13 labs equipped with state-of-the-art equipment and essential scientific techniques, as well as a lab for graduate students.

A group of faculty members of various academic ranks, including graduates of some of the most prestigious international universities, and a distinguished group of administrators work at the Faculty, which enriches the educational process for the students.

Faculty Vision:

Moving towards a competitive Faculty in the academic programs of science and information technology, scientific research, and community service.

Faculty Mission:

To fulfil the needs of the labor market for professionals and qualified technical expertise who are capable of achieving development and innovation in various science and information technology programs. This is accomplished by directing the process of scientific research to serve the local and regional community, developing teaching and learning methods, focusing on national scientific research priorities, selecting qualified and experienced academic faculty members, and applying competitiveness standards and quality assurance.

Academic Departments of the Faculty

- ## Undergraduate Programs

- ### Computer Science

It is the science that deals with the study of algorithms, different programming languages, operating systems, data science, and the design and programming of computer systems, websites, mobile devices, and games.

Core areas of work:
- Computer systems designer and programmer.
- Mobile devices designer and programmer.
- Computer game designer and programmer.
- Database administration specialist.

- ## Software Engineering

It is the field concerned with the development and design of high-quality software, taking into account user requirements at all levels. Software engineering is concerned with creating the computer program from its early stages during the analysis of the problem, then designing and coding, up until testing and installing it on devices, and carrying out the maintenance process.

Core areas of work:
- Software engineer.
- Software testing and quality specialist.
- Design and development of smart applications.

- ## Artificial Intelligence

The artificial intelligence major is one of the most important specializations in information technology, as this major seeks to simulate natural intelligence through the use of smart computer models and the provision of the necessary techniques and technology to build systems capable of making decisions and smart procedures.

Core areas of work:
- Working in programming companies.
- Working in smart industries companies and banks, and in designing and programming robots.
- Working in companies that rely on modern technology, such as car companies.
- Working in big-data mining to help make smart decisions.

- ## Cybersecurity

The cybersecurity major is an applied specialty, which increases the opportunity for the student to have actual practical application. This leads to an increase in the student experience and excellence in this field. This specialization combines computer networks and information security, with a focus on the methods and techniques for protecting information and its security, whether on the network or in the computer.

Core areas of work:
- Information security analyst.
- Network security administrator.
- Programmer and developer of secure systems.
- Digital evidence investigations technician.

- ## Mathematics

The Department of Mathematics is distinguished by its importance to many aspects of life, especially in this current era. Mathematics is involved in all applications of information technology and engineering, and is also used in statistical studies and research as it is considered essential to understanding and programming these sciences and dealing with their various algorithms and applications.

Core areas of work:
- Education.
- Working for offices and companies specialized in statistical analysis of data.
- Banks and insurance companies.
- Computing companies.

- ## Physics

The Physics department is one of the departments of the Faculty of Science and Information Technology as it was established in the 2021-2022 academic year. It is a practical branch of science focused on studying basic principles and everything related to them such as motion, forces, time, matter, mass, etc.

Core areas of work:
- Education.
- Science labs.
- Energy sector.
- Earthquake prediction center.

▪ Master's Programs

To stay current with the advancement of technological development and scientific research, the Faculty offers the following three programs:
- Master of Computer Science.
- Master of Software Engineering.
- Master of Mathematics.

Main Faculty Achievements:

- The Faculty organizes a scientific conference every two years under the title "International Conference on Information Technology."
- The Faculty obtained the Quality Assurance Certificate from the Accreditation and Quality Assurance Commission for Higher Education Institutions.
- The Faculty participated, through its students, in various competitions such as ACM, IEEE Xtreme, and graduation project competitions and achieved advanced positions in several years.
- The Faculty organized the Student Innovation Conference and hosted it for several years.
- The Faculty members have many accomplishments such as registering patents, publishing research papers in prestigious scientific journals and conferences, and participating as administrative staff in international and local technology and programming organizations.

Conditions for Admission

▪ Bachelor's Degree:

Acceptance average is 60% for the High School streams of Science, Information Management, Industry, and Agriculture. The Bachelor's program at the Faculty consists of 133 credit hours.

▪ Master's Degree:

- The applicant must have a bachelor's degree with a grade not less than "Good" or its equivalent.
- Anyone who has obtained a bachelor's degree with a grade of "Acceptable" or its equivalent can be accepted into the master's program, provided that he or she has studied (3) three subjects determined by the Faculty Council during the first semester of enrollment. It is required to pass each of these subjects with an average of at least (70%) or its equivalent, and a cumulative average of no less than 75%.
- When a student is accepted into a master's program different from the bachelor's major, the department determines the remedial courses needed, so that they do not exceed (9) credit hours.
- Passing the National English Language Exam or its endorsed equivalent.