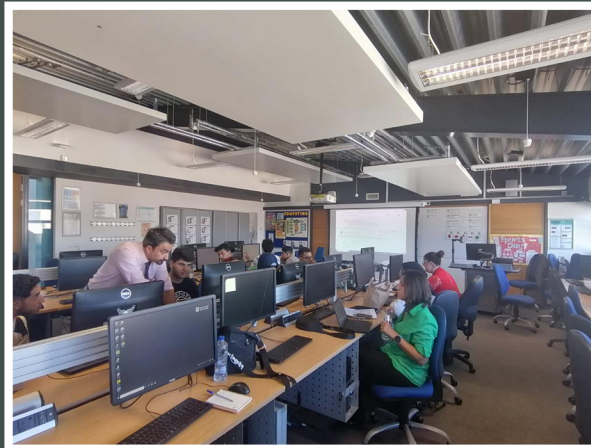## 5 Bioinformatics technology program (Bio)

The BIO program focuses on computer science with scientific knowledge and applied research in Bioinformatic problems (forensic medicine, personal and preventive treatment, pharmaceutical manufacturing, genetic and genetic applications). The program aims to graduate skillful specialists, who are capable of utilizing and developing new technologies in advanced bioinformatics areas, with solid understanding of exploring, analyzing and interpreting contemporary biological data. The student gains broad and deep knowledge in the concepts and techniques related to the design, programming, and application of Bioinformatics.

6 ROBOTICS PROGRAM (Rob)

The BSc in Robotics (ROB) program aims to graduate qualified and well-educated students who are knowledgeable in the hardware and software of the different robotic systems. Students will be able to put theoretical knowledge into practice for producing large-scale intelligent software applications. The program provides students with the fundamentals of creating and programming a robot that can intelligently interact with the different operating environments and perform the basic tasks involving navigation and decision-making.

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EAST BUILDING

Credit Hour Programs
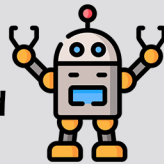Faculty of Computer & Information SCiences

ACCREDITED FACULTY

Introduction

FCIS-CHP is concerned with graduating skillful graduate specialists who has:
- **An excellent understanding of Computer Science multidisciplinary fields**
- **High ability to develop, maintain and adapt modern software to different uses and applications**
- **Innovative and expressive skills, in addition to planning and follow-up capabilities**

the faculty also grants computer and information sciences Bachelor degree in Six specialized credit hour programs:

1 Artificial Intelligence Program (AI)

The AI program aims to prepare graduates with the ability to program the machine to simulate the human mind and how it works, such as its ability to think, discover and benefit from previous experiences. The program is concerned with the notion to develop the students' ability to make a critical evaluation of the theories, techniques, tools and systems used in this field. The program allows students to specialize in artificial intelligence and knowledge engineering, as well as the development of computational and engineering models of complex cognitive and social behaviors.

2 Cyber Security Program (CSEC)

The CSEC program focuses on computer science with security theoretical concepts, techniques and the technological means. The program aims to graduate qualified security specialists, who are capable of using and applying digital security theoretical concepts, techniques and the technological means, which prevent the unauthorized use, misuse and retrieval of electronic information and the information and communication systems they contain, in such a way to enhance the protection, confidentiality and privacy of data from the cyberspace risks.

3 Digital Multimedia Program (DMM)

The DMM Program focuses extensively on computer science with a strong emphasis on Digital Multimedia. The program aims to prepare graduates with the ability to produce applications that can store information in various forms including text, images, animation and sounds, and display them in an interactive manner according to different uses. The program exposes the students to the diverse use of science in the fields of advertising, art, education, entertainment and special effects in films, animation and games.

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4 Software Engineering Program (SWE)

The SWE program opens career opportunities to its graduates in the software systems' design and development, quality assurance, project management, software testing, web engineering, data analytics, and much more. The program prepares graduates with the ability to produce software, test its quality, calculate its cost in accordance with the required quality standards and increase scientific awareness and practical research in the field of software engineering. The program meets the increasing market demand for this specialization at the national, regional, and international levels.