Why Join AUC’s Computer Science Program?

- AUC provides quality, professional education that enhances the skills of American liberal art and lifelong learning. As freedom of academic expression is fundamental to this effort, AUC encourages the free exchange of ideas and promotes open and ongoing interaction with scholarly institutions throughout Egypt and other parts of the world.
- The University environment is designed to advance the proficient use of the tools of learning as well as students’ thinking capabilities, language and personal skills.
- Students are trained by outstanding faculty members with PhD degrees from leading universities in the United States, Canada, Europe and Egypt.
- AUC has one of the best English-language libraries in the Middle East, equipped with state-of-the-art information access technologies.
- The campus includes up-to-date computer facilities and software, as well as well-equipped experimental laboratories in nearly every specialty.
- Students have access to a rich and diverse student life with a broad array of extracurricular activities.
- A new campus in New Cairo that is spacious, technologically advanced and environmentally sensitive offers world-class educational resources.

Undergraduate Computer Science Program
Bachelor of Science in Computer Science
The Computer Science Program at AUC educates students in mathematics, basic sciences and the fundamentals of computer science. Emphasis is placed on the creative applications of scientific knowledge in the analysis, design and implementation of computer software and hardware systems. In addition, students are prepared to cope with, and improve on, the ever-evolving discipline of systems. The Computer Science Program at AUC educates students in mathematics, basic sciences and the fundamentals of computer science. Emphasis is placed on the creative applications of scientific knowledge in the analysis, design and implementation of computer software and hardware systems. In addition, students are prepared to cope with, and improve on, the ever-evolving discipline of systems.

Program Educational Objectives

The computer science program at AUC graduates a computer scientist who, within a few years of graduation, fulfills societal needs, with consideration to ethical and environmental issues in a career of lifelong learning.

1. A professional team member in a multidisciplinary environment, local or global.
2. A distinguished member of the computing field.
3. A successful member of an advanced academic or research organization.
4. A successful entrepreneur

Minor in Computer Science

A minor in computer science provides students from other disciplines with basic-knowledge and practical computing know-how to enable them to develop simple or advanced applications in their field of study. It consists of at least 15 credits of computer science courses. Students could tailor the study plan of the minor according to their interests. Students are required to plan their four courses so that no more than six computer science credits are taken in one semester.

Graduation Requirements

Bachelor of Science in Computer Science

A total of 120 credits is required for the Bachelor of Science degree in computer science, including the following:

Core Curriculum Requirements 33 credits

Computer Science Electives 38 credits

General Electives 15 credits

General Education Requirement 3 credits

General Electives 19 credits

Bachelor of Science in Computer Science

Admission Requirements

Students are admitted to the computer science program either upon admission to AUC or after successful completion of criteria courses. High school students with mathematics and science backgrounds are accepted upon admission to AUC based on their high school grades and availability in the computer science program. Undeclared and transfer students are admitted to the program upon completing criteria courses of AUC. Students are required to plan their four courses so that no more than six computer science credits are taken in one semester.

Mission

The mission of the Department of Computer Science and Engineering at AUC is to educate and equip students to provide high quality, highly integrated computing systems. The faculty strives to transcend in a rapidly evolving global information society. The faculty's expertise is based on the advances in knowledge and sciences in the computer science program.

Visual

The Department of Computer Science and Engineering at AUC aspires to be an internationally recognized source of knowledge that produces outstanding graduates of computing and computer engineering.

Research

The computer science program at AUC provides opportunities for research in a wide variety of topics. The faculty is engaged in research in a wide variety of topics. The faculty is engaged in research in areas such as software engineering, database systems, artificial intelligence, machine learning and computer networks. The program also prepares students for further studies and research in the computing field.

Research

Students are encouraged to participate in various research projects and workshops. The Department of Computer Science and Engineering offers several research opportunities for students with interests in various areas of computing.

Extracurricular Activities

The computer science program is recognized by the Computing Accreditation Commission of IEEE/ACM (CAC/ACM) as the institution of the computer science program.

Prospective Jobs

The computer science program at AUC is designed to prepare students for a wide variety of careers. The most common careers for computer science graduates include software engineers, systems analysts, database administrators, network administrators, and computer scientists.

Facilities and Specialized Laboratories

The computer science program at AUC is equipped with state-of-the-art technology and facilities. The program is supported by a comprehensive and well-equipped library of resources. The library is equipped with computer science laboratories and the well-equipped computing environment.

Accreditation

The Computer Science program at AUC is accredited by the Supreme Council of Universities in Egypt. The computer science program at AUC is accredited by the Computing Accreditation Commission of IEEE/ACM (CAC/ACM) as the institution of the computer science program.

The ABET website is www.abet.org.

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