After Graduation

Upon graduation, students are equipped with the knowledge to work in many domains of computer science, including: game development, application development, software architecture, software engineering, or consultants in software companies or institutions with IT departments such as universities and banks. Many of our graduates open their own startups. Others pursue their graduate studies in AUB or abroad.

To learn more about the Computer Science Department:

Web www.aub.edu.lb/fas/cs
Email cmps@aub.edu.lb

COMPUTER SCIENCE

Undergraduate Program

Quantitative Sciences

Computer Science is the science of using computers to solve problems. It is about data, programs, computers and people. Computer Science is a young discipline that is very rich in challenges and applications due to its applicability in almost all disciplines such as medicine, engineering, natural sciences, media, arts and entertainment.
In their second year, students get exposed to more programming paradigms and languages such as C, C++, C#, Prolog, and Python. They also cover core computer science courses, such as Data Structures, Computer Architecture, Software Engineering, and Database Systems. Students also have the option to take electives in, Web Development, Artificial Intelligence, Computer Networks, Computer Graphics, and Parallel Computing.

In their third year, students cover advanced courses such as Operating Systems and Theory of Computation. They also take a capstone course that aims to enhance their skills with practical experience giving them the opportunity to integrate knowledge accumulated in different courses to deliver a complete efficient software product.

Research Opportunities
The department encourages students in their third year to get involved in research projects with one of the department research groups. The department also has a solid Master program whose graduates work in top companies in the region or move to Europe or North America to complete their Ph.D. in prestigious universities. Every semester, the department offers a good number of scholarships for its top graduate students.

Among other areas, ongoing research projects involve data mining, image processing, artificial intelligence human computer interaction, information retrieval, networking and security, optimization, software design and reliability, and theory.

Computer Science prepares students for advanced study and professional careers in the dynamically changing world of computing and information technology.