Why Join AUT?

AUT students get the chance to benefit from **practical workshops & activities** that better prepare them for success in their studies and careers:

- Initiation to active learning
- Effective stress management
- Succeeding in job interviews
- Talent shows
- International internship programs
- Job placement (local & International)
- Sports clubs (Football, Basketball, Volleyball, etc.)

- Team-building skills
- First-Aid training with Red Cross
- Student Success Office support
- Job fairs & careers
- Cine club

*Students also have frequent meetings with top professionals to get informed about **jobs and market** needs, and network with employers from various sectors.*

AUT students in all majors earn **professional certifications** in addition to their bachelor degree in order to gain them a competitive advantage. AUT students are required to spend **internships** at top companies to become more competitive.

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Financial Aid & Scholarships:

AUT offers flexible payment plans (monthly, semestrial, etc...) to suit all students. Schedule your appointment with the Admissions advisor by calling:
 76 - 80 80 01 or 09 - 478 143/4 ext. 152 or 246

Availability of double degree programs:
- STATE UNIVERSITY OF NEW YORK EMPIRE STATE COLLEGE - SUNY
- UNIVERSITY OF LONDON - London School of Economics and Political Science
- UNIVERSITY OF LONDON - University College London and Queen Mary College - for Master in Law - LLM Support Office

FACULTY OF APPLIED SCIENCES

Information Technology

What is Information Technology?

IT (Information Technology) is the broad subject concerned with all aspects of managing and processing information, especially within a large organization or company. While IT is often used to describe computers and computer networks, it actually includes all layers of all systems within an organization - from the physical hardware to the operating systems, applications, databases, storage, servers and more. Telecommunication technologies, including Internet and business phones are also part of an organization's IT infrastructure.

American University of Technology, Decree № 846, dated 18/1/2008

What are the jobs opportunities in IT?

Some of the jobs are:
• Network engineers, also known as network architects, designs and implements computer networks & focuses on high-level design and planning. Network engineers select the appropriate data communications components and configure them to meet user and corporate needs. The construction of a reliable and high-performing network integrating LAN, WAN, Internet, and intranet components entails network modeling and analysis.

• Network security engineers are involved in the provisioning, deployment, configuration, and administration of many different pieces of network and security-related hardware and software. They include firewalls, routers, switches, various network monitoring tools, and VPNs (virtual private networks). These engineers also regularly perform network-based security risk assessments, and they occasionally help design new infrastructure solutions as a company expands or replaces its system architecture.

• Information Security engineers will be focused on managing the tools and technologies pertinent to securing the network perimeter, and identification and mitigation of advanced threats within the organization. Additional responsibilities include providing risk and audit reports to management, implementing organizational policies, and ensuring implemented solutions meet the security requirements for supported projects and initiatives.

• Cloud engineers and architects are IT professionals responsible for any technological duties associated with cloud computing and architecture, including design, planning, management, maintenance and support.

• Voice engineers assure that voice over Internet protocols operate efficiently. Some engineers specialize in the design and creation of such protocols, while others focus predominately on maintaining and troubleshooting existing networking systems. Medium and large businesses generally employ a voice engineer to oversee internal networks as a way to assure that systems are operating at optimal levels.

• Wireless network engineers are individuals proficient in handling all tasks related to the setup, maintenance and troubleshooting of a wireless network. This applies to small residential wireless networks or larger and more complex commercial networks.

• IT Infrastructure engineers are specialists who are usually in charge of the hardware aspects of a business network. They are responsible for evaluating and maintaining server performance.

• Virtualization engineers will be responsible for the implementation and operational support of all aspects of client's Virtualization Infrastructure. This Infrastructure supports servers, desktops, terminal servers, networks, application virtualization and storage.

• Systems engineers use a methodical, disciplined approach for the design, realization, technical management, operations, and retirement of a system.

What is the added value of studying this program at AUT?

The AUT Program consists of 99 credits and is integrated with CISCO Networking Academy, Microsoft IT Academy and EC-Council. AUT professors are CISCO Certified trainers and the computer labs are equipped with CISCO devices as well.

All our courses are hands-on experience; students practice on real environments, participate in global competitions such as NetRiders, VEX Robotics and many others across Lebanon and the Middle East. During the 3 academic years, students acquires official certifications in addition to their degree.

Furthermore, AUT helps students find internships with our partners in the industry in order to sharpen their skills in the major and be better ready for the job market.