Bachelor in
COMPUTER ENGINEERING

The Best and Brightest

World-class education
AIT makes it possible
Bachelor in
COMPUTER ENGINEERING

www.ait.gr/bsc
Start thinking about…
A high quality education

AIT is a non-profit, independent technology institute that combines its talented faculty, industry links and partnerships to foster world-class education and advanced research in innovative technologies.

The Bachelor of Science in Computer Engineering (BSc) is an accredited 3-year undergraduate program offered in collaboration with the state Aalborg University in Denmark. Students get exposed to the engineering disciplines that will become coveted in the international job market in the next decade. Teaching is based on the outstanding Problem Based Learning (PBL) methodology that organizes students in teams working on practical projects related to the theoretical courses.

A Successful Career!

Graduate a confident and highly qualified professional who will stand out in the job market. Our students are systematically supported by the AIT Career Office and Alumni Club, whose members are following career paths in some of the largest companies in Greece and abroad such as Google, BP, Microsoft, Vodafone, Accenture, Deloitte, Motorola, Intracom group, Eurobank, Oracle, Wind, Siemens, Huawei, Accenture, Hewlett Packard and others.
Your graduate studies!

A BSc degree in Computer Engineering is only the beginning: AIT provides the opportunity to pursue Master and PhD studies and research at AIT in Athens, at Aalborg University in Denmark, or other leading educational institutions anywhere in the world.

What is AIT?

AIT is a leading technology institute that offers world-class education and research. AIT’s faculty of internationally renowned professors and industry experts creates an exceptional and nurturing environment for technology research, innovation management and education.

AIT utilizes its state-of-the-art facilities on the outskirts of Athens, affiliations with world-renowned universities and range of academic programs and scholarships to offer the finest advanced learning for professionals and executives and first class education and career placement to an internationally diverse group of students from all walks of life.

Microsoft Academic Search ranks AIT at the top 13% of research institutions world-wide.
What is the Bachelor of Science (BSc) in Computer Engineering?

In a world of more than 1 billion computers opportunities for a Computer Engineer are unlimited.

The BSc program combines computer sciences, information technologies, electronics and electrology sciences.

The BSc in Computer Engineering is:

**International**

The AIT community includes students and researchers from over 25 countries, allowing intercultural engagement and exchange. The accredited degree is offered in collaboration with Aalborg University, an established research and teaching institution in Denmark that offers a non-traditional range of educational programs and research projects. Students are encouraged to spend part of their studies on the Danish campus.

**Modern**

Professors update course content based on latest research results and continuous input from their colleagues around the world. In this way, in addition to providing the standard necessary theoretical knowledge (design of circuits, super-computers and equivalent operating systems, etc), courses remain current and interesting (eg. design of computing systems for wireless and optical telecommunications, ambient intelligent spaces, and bio informatics). Consequently, at the end of their studies students have the necessary knowledge and skills to work in cutting-edge engineering fields or pursue a Master of Science (MSc) and/or a PhD degree at AIT or anywhere in the world.
Taught differently

The program’s trademark is its unique educational method of Problem Based Learning (PBL), a model that places equal importance on both laboratory skills and theoretical knowledge. Students are organized into small work groups with their own office-space and work on real problems from the areas of Computer Science and Telecommunications. Group dynamics, project and time management skills are only some of the many benefits of the PBL methodology that prepares a new breed of professionals. PBL is supported by UNESCO.

The program is in complete accordance with the European Treaty of Bologna and is offered in the English language. The possibility to continue on to a Master of Science degree is also offered (3+2 / BSc + MSc). The degree is awarded directly by the Danish state Aalborg University. Students have the option to study one semester at Aalborg University.
Why should I study at AIT?

- Graduate a confident and highly qualified professional who will stand out at the job market
- PBL teaching method leads to:
  - intrinsic motivation and flexible knowledge
  - effective project management skills,
  - effective time management skills,
  - effective team working and problem solving skills
- Direct exposure to frontier research
- Personalized education:
  - personal lab
  - curriculum and projects designed to match individual interests & talents
  - Personal Advising and Mentoring
- Scholarships & financial aid opportunities
- Opportunity to pursue Master and PhD studies
- Exposure to different career paths

Employment

- Strong industry liaisons
- Personalized professional preparation and support in seeking employment
- Proven path to high ranking, high paying jobs in Greece & worldwide

Aalborg University

Aalborg University (AAU) was inaugurated in 1974 and has grown to become a large, well-established and highly ranked research and teaching institution. Aalborg University's educational vision is based on the diptych of tradition and innovation, which, today, allows it to be considered one of the top universities in the areas of computer science and telecommunications.

As part of its mission to create and disseminate knowledge, Aalborg University, collaborates with select enterprises and academic institutions such as AIT.

What is PBL?

Aalborg University’s trademark is its innovative educational method of Problem Based Learning (PBL) - education based on practical problems - a model that places equal importance on laboratory work and theoretical knowledge. Through PBL, all teaching and lab work are based on real problems in the areas of Computer Science and Telecommunications.
According to the Organization for Economic Co-operation and Development (OECD), PBL is the Optimal Teaching Method. Certain departments at Harvard University and MIT have recently adopted PBL.

Scholarships & Financial Assistance

AIT wishes to attract the best applicants regardless of their ability to finance their education and awards qualifying students scholarships, based on merit, and financial assistance, based on need.

Full and partial scholarships may be awarded to a student following an Admissions Committee evaluation of his/her academic performance during the last two years of High School.

Financial assistance is provided to a student following an Admissions Committee evaluation of his/her academic performance during the last two years of High School and the family’s financial situation.

What’s next?
What do I do after I get my degree?

• If you choose to enter the job market, AIT’s Career Office will support you in finding the job you want
• If you choose to further your academic career, you may pursue post graduate degrees and advanced research opportunities at AIT and other collaborating top universities

Do I qualify?

Strong knowledge of mathematics and physics, a detailed High School grade report and excellent command of the English language (Proficiency or IELTS with 6,5 and above score) are required. Positive feedback during your personal interview is an advantage.

Where can I find further information?

E-mail: admissions@ait.gr, Tel: +30 210 668 2704
(Ms. Chrysanthi Efstathiou)

www.ait.gr/bsc