

ELECTRONICS AND COMPUTER ENGINEERING

MASTER'S PROGRAMME



The Electronics and Computer Engineering programme features a variety of courses and projects. Topics involve e.g. construction and experimentation with software making sure that students can construct e.g. a functionality that allows a computer to interact with its surroundings.

You will acquire competencies within concepts and principles of database design. In addition, you will learn about analysis, design and construction of mechatronic systems such as robots, precision machinery, etc. Topics such as software design and implementation, programming, control engineering and operation systems and network are also part of the curriculum.

THE PROGRAMME

From the 1st to the 4th semester, you mainly work with hardware- and software construction. You learn to build and program microcomputers and to apply computers to process control and signal processing. For instance, you can make a project about a system for an exercise bicycle, enabling a trip up Alpe D'Huez like a Tour de France rider. We emphasise ambitious and concrete projects, allowing you to think that "time and work can make the impossible possible". On the 3rd to the 5th semester, the subjects are respectively hardware simulation and –construction, microcomputer systems and real-time systems. After the 5th semester, you can continue your studies and graduate as a B.Sc. in six months, or continue for another year and become Bachelor of Engineering (BEng.) Most students choose to continue on the master's in Intelligent Reliable Systems and become M.Sc.

PROBLEM BASED LEARNING

The study method at Aalborg University is called problem based project work, or "The Aalborg Model for Problem Based Learning (PBL)", and is highly recognised both nationally and internationally. UNESCO has placed its only Professorial Chair in PBL at AAU. Among others, it means that each semester, you will work closely together with a group of fellow students on a large written assignment. See more at www.en.aau.dk/education/problem-based-learning

THE PROGRAMME IN BRIEF

ADMISSION REQUIREMENTS

- Upper secondary school exam, including
- English B or an acceptable IELTS, TOEFL or Cambridge score
 - Mathematics A
 - Physics B

RESTRICTED ADMISSION

All applicants meeting the admission requirements are admitted.

LEARN ABOUT

Electronic systems
Micro processors
Control technique
Mathematics

PLACE OF STUDY

Esbjerg

IF YOU HAVE AN INTEREST IN

It, electronics & programming
Technique, construction and innovation

JOB OPTIONS WITH

Maersk Oil & Gas A/S, Ramboll Oil & Gas A/S, Grundfos A/S, Danfoss A/S, Vestas A/S, Siemens A/S, FL Smith A/S, Semco Maritime A/S, Dong Energy A/S, SE A/S, KK-Electronic A/S, Velux A/S, FOSS A/S, MacArtney A/S, B&R Automation (Denmark) A/S, etc.

FOR MORE INFORMATION

Website:

[WWW.EN.AAU.DK/EDUCATION/
BACHELOR/ELECTRONICS-COM-
PUTERENGINEERING](http://WWW.EN.AAU.DK/EDUCATION/BACHELOR/ELECTRONICS-COMPUTERENGINEERING)

The programme's student counsellor:

HVJ@STAFF.AAU.DK

AAU's Central Student Guidance Service:

STUDIEVEJLEDNING@AAU.DK
+45 9940 9440

How to apply for admission:

[WWW.EN.AAU.DK/EDUCATION/
APPLY/MASTER/HOW-TO-APPLY](http://WWW.EN.AAU.DK/EDUCATION/APPLY/MASTER/HOW-TO-APPLY)

