

INTELLIGENT RELIABLE SYSTEMS

MASTER'S PROGRAMME



If you would like to work with development of electronics and software and create systems and products, the master's in Intelligent Reliable Systems could be of interest to you.

This programme gives you the optimal potential to influence technological development, both nationally and internationally. As an engineer in Intelligent Reliable Systems, you will take part in realising visions and solving technological problems for the good of mankind and our surroundings.

You will work with among others process control, reliability demands, fault detection and diagnosis in dynamic software- and hardware systems, both in theory and in practice.

THE PROGRAMME

The programme in Intelligent Reliable Systems includes reliability demands to both software and hardware, thus combining the technical/theoretical aspects with practice. Think of for instance freight handling in industrial harbours; if the computer-controlled cranes are not totally reliable, serious faults may occur with serious consequences to follow. Or computer-controlled anaesthesia where the computer ensures the correct amount of anaesthesia for the individual patient. Another area could be e.g. the bio-chemical industry where it is vital that you can trust the computer-controlled systems, because even small inaccuracies may have fatal consequences.

You will learn to develop such intelligent reliable systems and plan implementation in the practical work with automation processes.

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

Bachelor's degrees in IT, Communication and New Media, Electronics and IT, Internet Technologies and Computer Systems, Software Technology, It & Communication Technology, Internet Technology & Economy, IT, IT & Communication and Computer Science qualify for the master's in Intelligent Reliable Systems.

RESTRICTED ADMISSION

All applicants who meet the admission requirements are admitted.

LEARN ABOUT

Automation systems
Control- and surveillance systems
Fault detection and -diagnosis

PLACE OF STUDY

Esbjerg

IF YOU HAVE AN INTEREST IN

It, electronics & programming

JOB OPTIONS WITHIN

Automation consultancy/-engineering
Hardware/software designer with specialisation in fault-tolerant systems
It-development
Development of modern electronic equipment

FOR MORE INFORMATION

Website:

[WWW.EN.AAU.DK/EDUCATION/
MASTER/INTELLIGENT-RELIABLE-SYSTEMS](http://WWW.EN.AAU.DK/EDUCATION/MASTER/INTELLIGENT-RELIABLE-SYSTEMS)

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)

