

STUDY GUIDE AAU



AALBORG UNIVERSITY
DENMARK

ONE UNIVERSITY THREE CAMPUSES



AALBORG



ESBJERG



COPENHAGEN

AALBORG UNIVERSITY CONSISTS OF THREE CAMPUSES, WHICH ARE SITUATED IN AALBORG, ESBJERG AND COPENHAGEN.

On a national basis, 21,000 students and around 3,500 employees are affiliated to Aalborg University, and we offer a wide range of study programmes within the fields of natural science, social sciences, humanities, engineering and medical science.

Common to all three campuses is AAU's strong focus on problem based learning as well as interdisciplinarity and research based innovation.

Get more information at: EN.AAU.DK/EDUCATION

Aalborg University offers 2 bachelor programmes and 60+ master programmes taught in English. These programmes can be found within the 11 different fields of interests listed below.

**MEDIA,
COMMUNICATION &
INFORMATION**

**SOCIETY, POLITICS &
ECONOMICS**

**BUSINESS ECONOMICS,
TRADE & MANAGEMENT**

**BIOLOGY, CHEMISTRY &
NATURE**

ART, MUSIC & DESIGN

**MEDICINE, HEALTH &
CARE**

**PHYSICS, MATHEMATICS
& NANOTECHNOLOGY**

**PEDAGOGY,
PSYCHOLOGY &
TEACHING**

**LANGUAGE, CULTURE &
HISTORY**

**IT, ELECTRONICS &
PROGRAMMING**

**TECHNIQUE,
CONSTRUCTION &
INNOVATION**

**SEARCH BY SUBJECT
ONLINE ON
[KORTLINK.DK/AAU/R28A](https://kortlink.dk/AAU/R28A)**

BACHELOR PROGRAMMES

WWW.EN.AAU.DK/EDUCATION/BACHELOR

THE FACULTY OF ENGINEERING AND SCIENCE

APPLIED INDUSTRIAL ELECTRONICS



CHEMICAL ENGINEERING AND BIOTECHNOLOGY



MASTER PROGRAMMES

WWW.EN.AAU.DK/EDUCATION/MASTER

THE FACULTY OF HUMANITIES

CULTURE, COMMUNICATION AND GLOBALISATION



INFORMATION ARCHITECTURE



INFORMATION STUDIES



TOURISM



THE FACULTY OF SOCIAL SCIENCES

ECONOMICS AND BUSINESS ADMINISTRATION

DEVELOPMENT AND INTERNATIONAL RELATIONS

EUROPEAN STUDIES



THE FACULTY OF MEDICINE

MEDICINE WITH INDUSTRIAL SPECIALISATION



THE TECHNICAL FACULTY OF IT AND DESIGN

ARCHITECTURE

AAL

COMPUTER SCIENCE (IT)

AAL

CONTROL AND AUTOMATION

AAL

GEOGRAPHY

AAL

INDUSTRIAL DESIGN

AAL

INNOVATIVE COMMUNICATION TECHNOLOGIES & ENTREPRENEURSHIP

CPH

LIGHTING DESIGN

CPH

MEDIALOGY

AAL CPH

NETWORKS AND DISTRIBUTED SYSTEMS

AAL

SERVICE SYTEMS DESIGN

CPH

SIGNAL PROCESSING AND ACOUSTICS

AAL

SOUND AND MUSIC COMPUTING

CPH

SURVEYING, PLANNING AND LAND MANAGEMENT

AAL CPH

SUSTAINABLE CITIES

CPH

SUSTAINABLE DESIGN

CPH

TECHNO-ANTHROPOLOGY

AAL CPH

URBAN DESIGN

AAL

URBAN, ENERGY AND ENVIRONMENTAL PLANNING

AAL

VISION, GRAPHICS AND INTERACTIVE SYSTEMS

AAL

WIRELESS COMMUNICATION SYSTEMS

AAL

THE FACULTY OF ENGINEERING AND SCIENCE

BIOTECHNOLOGY

AAL

BUILDING ENERGY DESIGN*

AAL

CHEMICAL ENGINEERING

AAL

CHEMISTRY

ESB

CONSTRUCTION MANAGEMENT AND BUILDING INFORMATICS*

AAL

DESIGN OF MECHANICAL SYSTEMS

AAL

ELECTRO-MECHANICAL SYSTEM DESIGN

AAL

ENERGY ENGINEERING

AAL

ENTREPRENEURIAL ENGINEERING

AAL

ENVIRONMENTAL SCIENCE

AAL

INDOOR ENVIRONMENTAL AND ENERGY ENGINEERING

AAL

INTELLIGENT RELIABLE SYSTEMS

ESB

TECHNOLOGY

AAL

MATERIALS TECHNOLOGY

AAL

MECHANICAL DESIGN

ESB

NANOBIOTECHNOLOGY

AAL

NANOMATERIALS AND NANOPHYSICS

AAL

OIL AND GAS TECHNOLOGY

ESB

OPERATIONS AND INNOVATION MANAGEMENT

AAL

OPERATIONS AND MANAGEMENT ENGINEERING

CPH

OPERATIONS AND SUPPLY CHAIN MANAGEMENT

AAL

RISK AND SAFETY MANAGEMENT*

STRUCTURAL AND CIVIL ENGINEERING

SUSTAINABLE BIOTECHNOLOGY

SUSTAINABLE ENERGY ENGINEERING

WATER AND ENVIRONMENTAL ENGINEERING

*AVAILABLE AT THE FEBRUARY INTAKE ONLY



GUEST AND EXCHANGE PROGRAMMES

WWW.EN.AAU.DK/EDUCATION/GUEST-EXCHANGE

As a guest or exchange student, you can also study parts of a full master's programme or a bachelor's programme.

BACHELOR LEVEL

ONLY SPECIFIC SEMESTERS ARE TAUGHT IN ENGLISH:

ECONOMICS AND BUSINESS ADMINISTRATION

ELECTRONICS AND IT - 5TH & 6TH SEMESTER

ENERGY ENGINEERING, AALBORG – 5TH & 6TH SEMESTER

ENERGY ENGINEERING, ESBJERG – 5TH & 6TH SEMESTER

INTERNATIONAL CULTURAL STUDIES – ALL SEMESTERS

COMPUTER ENGINEERING – 5TH & 6TH SEMESTER

MASTER LEVEL

ONLY SPECIFIC SEMESTERS ARE TAUGHT IN ENGLISH:

CORPORATE ENTREPRENEURSHIP - 3RD SEMESTER

CREATIVE GENIUS - 3RD SEMESTER

INTERNATIONAL CULTURAL STUDIES – ALL SEMESTERS

INTERNATIONAL LAW PROGRAMME – 2ND & 3RD SEMESTER

NEW VENTURE CREATION - 3RD SEMESTER PROJECT MODULE (15 ECTS POINTS).

HOW TO APPLY

EXCHANGE FROM ABROAD

APPLICATION DEADLINE FOR
INTERNATIONAL STUDENTS APPLYING FOR
AN EXCHANGE SEMESTER AT AAU

1 APRIL (FOR SEPTEMBER INTAKE)
15 OCTOBER (FOR FEBRUARY INTAKE)

[EN.AAU.DK/EDUCATION/APPLY/EXCHANGE](https://en.aau.dk/education/apply/exchange)

BACHELOR PROGRAMME

If you want to apply for a bachelor programme, you must hold a qualifying exam and you must be able to document English language qualifications. You will find the entry requirements at [KORTLINK.DK/AAU/QYEP](https://kortlink.dk/AAU/QYEP)



The application deadline for all international students applying for a full bachelor programme is:
15 MARCH AT 12:00 NOON (CET)

WHEN APPLYING FOR ENTRY TO A STUDY PROGRAMME, YOU MUST USE THE COORDINATED ENROLMENT SYSTEM (KOT) AT [OPTAGELSE.DK](https://optagelse.dk)



Once you have filled in the application, a signature page will be generated. You must print and sign the signature page and submit it to [BACHELOROPTAG@AAU.DK](mailto:bacheloroptag@aau.dk) BY 12:00 NOON ON 15 MARCH

Your application process is not completed until the Admissions Office has received the signed signature page.

FOR FURTHER INFORMATION VISIT [KORTLINK.DK/AAU/FPWE](https://kortlink.dk/AAU/FPWE)



MASTER PROGRAMME

If you want to apply for a master programme, you must hold a relevant bachelor degree and you must be able to document English language qualifications. You will find the entry requirements at [KORTLINK.DK/AAU/UETR](https://kortlink.dk/AAU/UETR)



The application deadline for all international students applying for a full master programme is:
1 MARCH (FOR THE SEPTEMBER INTAKE)

15 OCTOBER (FOR THE FEBRUARY INTAKE)

APPLY ONLINE BY USING THE APPLICATION PORTAL [KORTLINK.DK/AAU/UEU4](https://kortlink.dk/AAU/UEU4)



FOR FURTHER INFORMATION VISIT [KORTLINK.DK/AAU/FPWG](https://kortlink.dk/AAU/FPWG)



DID YOU KNOW?

AAU PROFESSOR IS WORLD'S MOST CITED RESEARCHER IN ENGINEERING

Engineering and science at Aalborg University stand strong. Internationally, the faculty's research distinguishes itself on several international rankings, and most recently, AAU Professor in Power Electronics, Frede Blaabjerg took first place as the researcher with the highest number of citations per publication in Engineering in the world. The recognized international journal THE (Times Higher Education) provides the rankings based on publications from 2011-2015 and 10 different subject areas.

AALBORG UNIVERSITY IS UNESCO CHAIR IN PROBLEM BASED LEARNING

The UNESCO Chair in Problem Based Learning was established in February 2007 at Aalborg University. The overall objective of this UNESCO Chair is to create a global society for researchers and academic staff working with PBL. This includes research and development activities, educational programs, consultancy activities, and the establishment of a global network for international cooperation and exchange of experiences.

The UNESCO Chair in Problem Based Learning in Engineering Education continues activities which were commenced in the UICEE Centre for Problem Based Learning (UCPBL). For previous activities in the UCPBL, please visit the homepage: www.ucpbl.net/

PROBLEM BASED LEARNING

The Aalborg model of Problem-Based Learning (PBL) is internationally recognized and has, over the years, received great interest from universities, researchers and students in Denmark as well as abroad. The Aalborg model includes project work based on authentic problems, self-governed group work and collaboration.

The Aalborg model provides students with tools for independent acquisition of knowledge, skills and competences at an advanced academic level. During their studies, many students will also have the opportunity to cooperate with external partners on the solution of scientific problems.

PBL AT AAU IN A NUTSHELL

Aalborg University's study programmes are essentially package deals. The semesters are pre-planned and stated in the curriculum. The curriculum for each study programme can be found on the study programme's website. Follow www.en.aau.dk/education and click on your desired study programme, and then click on the link to the curriculum, found in the box "Facts about the programme".

In order to create your own unique academic profile as a student at Aalborg University, you will be writing semester projects. Within the framework and objectives of the curriculum, you are more or less free to choose the content of your project, and thus to determine key elements of your study programme.

Each semester has a certain theme and a planned learning outcome. To achieve the learning outcome, there are certain theory modules that must be followed. Typically there are three theory modules (5 ECTS points each), which are all prerequisites for the project module (15 ECTS points).

There is no defined number of lectures for a given module. For the project module, students work in groups and conduct research on a subject/solve a problem that interests them and the group must write a joint project report. The project exam is an oral group exam, during which the project report is defended. Students are assessed individually. You can find examples of group exams here: www.pbl.aau.dk/resources/films-about-group-exams. The project group only persists for the semester project. The next semester, the students form new groups based on their interests and thus the group you are in could be entirely, or only somewhat different, the next semester.

THE PBL PROJECT MODEL HAS SEVERAL PURPOSES

1. You learn best when to apply theory and research-based knowledge in your work with an authentic problem.
2. Group work strengthens your cooperation and communication competences.
3. The project report requires you to reflect on your own learning as you must argue how and why you used the taught theory in the project or why you didn't use it and why you chose to use a different theory
4. It helps you to transfer your knowledge from the theoretical stage into an operational and practical stage, as the group project will often be undertaken in cooperation with a company, where the company presents a case/the problem to be solved or supplies the data.

The illustration below shows how your time is used (semester start on the left). Usually, the beginning of the semester is dedicated to courses/lectures but gradually the number of lectures decreases and the project work increases. Our PBL method pamphlet is found here: www.pbl.aau.dk/about-the-pbl-academy

THE COURSE OF ONE SEMESTER



TOP RANKING IN ENGINEERING

Europe's best and the world's fourth best university in engineering. That's how Aalborg University (AAU) ranks on the list of the world's best universities recently published by U.S. News & World Report. In engineering, Aalborg University jumped from No. 18 in 2016 to fourth place in 2018.

The new top spot is the latest in a slew of high rankings and comes only six months after AAU's engineering programmes placed fourth in a major study of the world's universities from top U.S. university MIT.

AAU also advanced in other areas in the U.S News & World Report rankings. AAU improved significantly in many other fields, achieving an overall rank of No. 260 out of the world's approximately 17,000 universities.

U.S. News & World Report also notes that AAU advanced in IT, clinical medicine, environmental science, neuroscience, biology & biotech; in each of these areas AAU is now in the top 500 in the world.

BEST BUDDIES

Aalborg University has a popular Buddy Network, which helps new international students settle in their new environment.

A Buddy is a current AAU student who - on a voluntary basis - functions as a contact person for the international student, and helps out during their first days, weeks or perhaps months at Aalborg University.

It is up to you to decide how much you will make use of your buddy. Some international students become good friends with their buddies while others just need some help in the initial time after arrival. Remember to apply.

WHY YOU SHOULD STUDY IN DENMARK

DISCOVER TINY DENMARK

Denmark is a small country, making it easy for you to explore while you are studying here. Our infrastructure is well developed, safe and efficient, whether you prefer traveling by car, bus, train, ferry or airplane. For example, you can travel from Aalborg to Copenhagen in under 5 hours for 99DKK (13€) - or by plane in 45 minutes, for as little as 450DKK (60€). With a travel-card in hand, you can easily get around without having to deal with various ticket types and travel zones.

DON'T WORRY, BE HAPPY

Although Danes work a lot, have bad weather and pay high taxes, Danes dominate the World Happiness Report rankings year after year. Chances are that if you come to Denmark you might just learn the secret recipe to happiness.

SEAFOOD BY THE SEASIDE

No matter where your campus is located, you will never be far from the sea, and you are guaranteed to enjoy it, whether you prefer diving in or enjoying the marvelous fish and shellfish at one of the many seafood festivals that take place during the spring and summer period. The popular Harbor Baths make it possible to enjoy the fresh seawater without ever leaving the cities.

THINGS TO DO, WHILE STUDYING IN DENMARK

1. Participate in the eclectic Aalborg Carnival in May
2. Catch a concert at the VEGA arena in Copenhagen or Musikkens Hus in Aalborg
3. Visit a Christmas market and drink 'Gløgg', a Christmassy version of mulled wine
4. Play pool and have a beer with other students at the Student House
5. Enjoy an evening out with your friends at the famous party street, Jomfru Ane Gade (Virgin Anne's Street).
6. Visit the idyllic isle of Fanø – Denmark's nostalgic breathing space
7. Join the festive color run
8. Spend a summer evening barbecuing in one of the many city parks
9. Go on a shopping spree and discover the famous minimalist Scandinavian style
10. Join a club – salsa-dancing, climbing, pottery, badminton – the list is long!
11. Go on a pub-crawl with Aalborg Beer-walk
12. Venture on a seal safari in the Wadden Sea National Park near Esbjerg
13. Buy a tent and venture to Roskilde Festival in the summer
14. Go for a one-day hike in one of the many national parks – almost all of them have free-to-use shelters
15. Run alongside Danish royalty at the Royal Run in June
16. Take in the Esbjerg sea-side scenery with its giant sculptures
17. Explore the seaside in a Viking long-boat
18. Listen to the singing trees in Aalborg
19. Indulge your inner child's desire with a day at Legoland
20. Go to beautiful Skagen – the northern peak of Denmark

AALBORG UNIVERSITY

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GUEST AND EXCHANGE PROGRAMMES
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