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STUDY GUIDE 2014

AALBORG UNIVERSITY COPENHAGEN

ENGLISH
VERSION



AALBORG UNIVERSITY
COPENHAGEN

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THE AALBORG MODEL FOR PROBLEM BASED LEARNING (PBL)

Studying at Aalborg University is not about rote learning. Each semester, you will work closely together with a group of fellow students on a large written assignment. The study method is called problem based project work, or "The Aalborg Model for Problem Based Learning (PBL)", and is highly recognised both nationally and internationally.

The problem based project work at Aalborg University gives you a unique opportunity to acquire new knowledge and competences at a high academic level in an independent manner. You will also follow more traditional instruction, but the group work at AAU ensures that you build a network from the very start of your studies, and that you will not constantly be sitting on your own buried in your books.

The group work adds an academic and social dimension to your study programme and, at the same time, it equips you for the labour market where skills in cooperation are very sought after.

CAMPUS AAU-CPH

Aalborg University Copenhagen (AAU-Cph) is situated in the southwestern part of central Copenhagen known as 'Sydhavnen'. You can easily get to AAU-Cph from anywhere in the greater Copenhagen area by either bicycle, s-trains or bus. As a student at AAU-Cph, you can enjoy the many cultural and spare time activities that Copenhagen has to offer. You can read more about some of these offers on www.en.cph.aau.dk/student-at-aau-cph/Social+life

A.C. MEYERS VÆNGE 15 - 2450 COPENHAGEN S



CAMPUS AAU-CPH

Copenhagen, Seeland



CAMPUS AALBORG

Aalborg, Jutland



CAMPUS ESBJERG

Esbjerg, Jutland

IT, COMMUNICATION AND NEW MEDIA

TYPE Bachelor Programme

DURATION 3 years

LANGUAGE English

CONTACT falch@cmi.aau.dk /

olesen@cmi.aau.dk

READ MORE www.studyguide.aau.dk/programmes/undergraduate/53180/academic-content

AS A BACHELOR STUDENT IN IT, COMMUNICATION AND NEW MEDIA (ITCOM) AT AALBORG UNIVERSITY COPENHAGEN, YOU WILL LEARN HOW TO DEVELOP TECHNICAL SOLUTIONS IN A MARKET PERSPECTIVE AND WITH FOCUS ON USER NEEDS. YOU WILL LEARN ABOUT TECHNOLOGIES FOR THE FUTURE INTERNET AND DEVELOP NEW APPLICATIONS FOR SMARTPHONES AND OTHER NEW MEDIA PLATFORMS.



We now have access to information and communication, no matter where we are. Whether we are at home, at work or en route, we can be online. Computers and mobile phones are becoming faster, and we have access to wireless and fixed links with high capacity. New intelligent services that we could previously only dream of have become possible.

If you choose an education in IT, Communication and New Media at Aalborg University Copenhagen, you will obtain a very attractive profile including competences highly in demand by employers. You will have the opportunity to work with advanced information and communications technologies enabling new applications based on Internet, mobile and broadcast (radio & TV) platforms. You will gain a profound understanding of the technologies and their potential, and you will learn how to apply technology in

practice through analysis and development of innovative services, applications and solutions targeting specific user needs.

The education is interdisciplinary, providing advanced technical understanding of software and network technologies combined with understanding of users, creativity, economic theory, organisational theory and management. You will learn about the social, commercial and ethical frameworks for technology use, and you will become abreast of the latest developments in a global perspective.

THE PROGRAMME INCLUDES COURSES SUCH AS:

- Object-oriented Programming and Databases
- New Mobile Network Technologies
- Development of Mobile Applications
- User-friendly Solutions and Services
- Use of IT and Communications Technology within Enterprises and Organisations

IT, Communication and New Media is a 3-year BSc programme (180 ECTS). You also have the possibility to study single courses or subjects within the programme. If you choose to complete the bachelor's programme, you will graduate with the academic title of Bachelor of Science (BSc).

MANUFACTURING AND OPERATIONS ENGINEERING

TYPE Bachelor Programme

DURATION 3 years

LANGUAGE English

CONTACT gbe.sg@ses.aau.dk

READ MORE <http://www.studyguide.aau.dk/programmes/undergraduate/98551/academic-content/>

ARE YOU INTRIGUED BY INNOVATION TECHNOLOGY AND STATE-OF-THE-ART PRODUCTION TECHNOLOGIES AND SYSTEMS? AND DO YOU WANT TO WORK WITH BUSINESS DESIGN FOR INDUSTRIAL AND SERVICE PURPOSES?

During the Bachelor's programme in Manufacturing and Operations Engineering you will learn to facilitate development processes with a view to increasing productivity and improving sustainability.

Examples of subjects that you can immerse in involve new materials and processes, intelligent manufacturing, operations planning and control as well as global supply chain management.

RATED FOR EXCELLENCE

Aalborg University is rated for excellence in the QS-ranking system. Aalborg University has received five stars certifying the world-class position of the university based on cutting-edge facilities and internationally renowned research and teaching faculty.

Within Engineering and Technology, Aalborg University ranks as number 79 in the world.

The QS Stars system is a detailed comparative tool focusing on the performance of the institution based on a broad set of criteria, such as employability, facilities, innovation, research, teaching, and internationalisation

PROBLEM BASED LEARNING (PBL)

Aalborg University is famous for its problem based learning where you work in a team on a large written assignment often collaborating with an industrial partner. This study method is also called "The Aalborg Model for problem based learning". The method is highly recognised internationally, and UNESCO has placed its only professorial chair in PBL at Aalborg University.

The problem based project work at Aalborg University gives you a unique opportunity to acquire new knowledge and competences at a high academic level in an independent manner.



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ESB

MEDIALOGY

TYPE Bachelor Programme

DURATION 3 years

LANGUAGE English

CONTACT vejl-medialogi@aaauk.dk

READ MORE www.studyguide.aau.dk/programmes/undergraduate/53181/academic-content

ARE YOU INTERESTED IN DESIGN AND THE TECHNOLOGIES USED WITHIN FILM, SOUND, COMPUTER GAMES, DIGITAL ANIMATIONS AND GRAPHICS?

DO YOU WANT TO LEARN TO DEVELOP COMPUTER GAMES, COMPUTER-GENERATED ANIMATED FILMS IN 3D ENVIRONMENTS AND INTERACTIVE MEDIA PRODUCTIONS?

To be successful in today's media society, you should be able to bridge the gap between technology and creativity.

At Medialogy your creativity is what starts the process – and we give you the opportunity to study the interaction between technological science and the ways it is applied.

At Medialogy at Aalborg University in Denmark you will gain knowledge about film, animation and music technology and learn how design and computer science go hand in hand in today's and tomorrow's media productions.

You will gain insight into the creative processes and thinking that precedes any media production.

You'll also learn how to use technological advances in engineering science in design and production of e.g. digital creation and manipulation of sound and images, computer games, computer-generated animated films, 3D worlds, and digital art.

A CREATIVE PROGRAMME

MEDIALOGY OFFERS AN EDUCATION WHERE YOU ARE THE ONE SETTING THE LIMITS OF YOUR CREATIVITY, WHETHER YOU WANT TO CREATE ARTISTIC INSTALLATIONS, ENTERTAINMENT OR PROGRAMS FOR COMPANIES. MEDIALOGY IS AN EDUCATION WHERE YOU CAN EXPRESS YOURSELF CREATIVELY IN THE DIGITAL WORLD. IT APPEALS TO THOSE WHO WISH TO EDUCATE THEMSELVES IN COMPUTER GAMES, SOUND DESIGN, ANIMATION AND GRAPHICAL INTERFACES.

IBEN SCHANDEL
5TH SEMESTER STUDENT



SUSTAINABLE BIOTECHNOLOGY

TYPE Bachelor Programme

DURATION 3 years

LANGUAGE English

CONTACT bio.sg@ses.aau.dk

READ MORE www.studyguide.aau.dk/programmes/undergraduate/53182/academic-content

DO YOU WANT TO DEVELOP NEW BIOTECHNOLOGICAL SOLUTIONS FOR TOMORROW'S SOCIETY?

ARE YOU INTERESTED IN SUSTAINABILITY AND RENEWABLE ENERGY?

DO YOU WANT INSIGHT INTO BIOLOGY, BIOCHEMISTRY AND MOLECULAR BIOLOGY?

If you answer yes to any of these questions, the education in sustainable biotechnology at Aalborg University in Denmark could be of interest to you.

THE CHALLENGE OF THE FUTURE

Natural resources should be exploited in a smart way! The development of green technologies is a highly prioritised and rapidly growing area, which is fundamental for the development of a sustainable society.

In the last century we have built our society upon fossil resources. Mineral oil still constitutes the most important source of liquid fuels, but it is also an important raw material for the production of plastics, chemicals, pharmaceuticals, etc.

Within one generation, we need to exploit alternative sustainable resources to compensate for the forthcoming depletion of mineral oil but also to deal with greenhouse gases and the associated climate effects.

Biomass is assumed to be the most important replacement for oil as an industrial raw material. Oil refineries will be replaced by bio refineries where the processes are based upon microorganisms, enzymes and chemical catalysis. The products are biofuels, biochemicals for the pharmaceutical - and chemical industry and biologically active compounds.

Oil will be replaced by crop residues, algae, and industrial wastes from food production, which will be converted into the products.

The current century has been considered the century of biology. Biological solutions are necessary to develop sustainable solutions to the many global challenges such as depletion of resources, climate changes, lifestyle diseases, food supply, etc.



GLOBAL MANAGEMENT - OPERATIONS AND INNOVATION MANAGEMENT

TYPE Master Programme

DURATION 2 years

LANGUAGE English

CONTACT apn@business.aau.dk

READ MORE www.studyguide.aau.dk/programmes/postgraduate/56473

BE PREPARED TO HANDLE THE CHALLENGES OF GLOBALIZATION

With an MSc in Operations and Innovation Management – Global Management, you will be able to handle the challenges of the increasing globalization that most companies are facing at present. Off-shoring and outsourcing of different activities within the company's value chain are creating a completely new managerial agenda.

The study programme Operations and Innovation Management will give you the expertise needed to analyse, understand and solve the challenges associated with the disintegration and globalization of the company's value chain. Also, the study programme addresses the globalization challenges from an innovation perspective by addressing the problems and opportunities in developing innovative global business models and systems. The programme gives you a balanced analytical, systemic and managerial understanding of the management and development of a global value chain as well as its underpinning disciplines.

The programme is offered as both a Cand.Polyt programme and as a Cand.scient.techn. for applicants with non-engineering Bachelor degrees.

WORKING WITH REAL-LIFE PROBLEMS

Through the unique project based learning model practiced at Aalborg University you will have the opportunity to work with real-life companies and their problems in all four semesters. In this way, you develop your analytical competences in combination with the ability to develop creative solutions to complex real-life problems. Thus, the project reports are a great opportunity to try out your ideas and knowledge in a real life-situation.

EXAMPLES OF PROJECT REPORTS INCLUDE:

- Supplier relationship management in a transport perspective
- Technological innovation for a 'Bottom-of-the-pyramid' market
- Globalization of the technology center at company X
- Assessment of out-sourcing readiness
- Tier 2 supplier control strategies in modular supply chains

Furthermore, the study programme focuses on the globalization challenges faced by a wide range of different companies and industries – for example pharmaceutical companies, companies in the service and IT industries as well as industrial companies.

GLOBAL REFUGEE STUDIES - DEVELOPMENT AND INTERNATIONAL RELATIONS

TYPE Master Programme

DURATION 2 years

LANGUAGE English

CONTACT ia-cph@dps.aau.dk

READ MORE www.studyguide.aau.dk/programmes/postgraduate/55761/academic-content

GLOBAL REFUGEE STUDIES, A SPECIALIZATION UNDER DEVELOPMENT AND INTERNATIONAL RELATIONS AT AALBORG UNIVERSITY COPENHAGEN, IS A TWO-YEAR FULLTIME INTERNATIONAL MSc-STUDY PROGRAM WHICH FOCUSES ON REFUGEES AND FORCED MIGRATION.

Today Western development aid is increasingly directed at initiatives related to refugees. The idea is that development aid should be directed to the countries and regions that 'generate' migrants and refugees in order to create new circumstances to ensure that refugees and forced migrants remain in the close neighbourhood either in the countries of origin or the surrounding countries. There is a serious lack of knowledge about the impact of this and many other initiatives on the actual situation of global, regional and local refugees. This MSc-study program will add to bridge the gap of the missing knowledge about the status of forced migration.

The Danish and European debate regarding refugees has changed radically in the past few years. From an almost exclusive focus on assimilation and integration it has now turned into both a security and foreign policy issue and is regarded as a development problem.

TOPICS TO BE STUDIED AT GLOBAL REFUGEE STUDIES

- Human rights
- Transnational communities/identities
- Displacement: Causes and effects
- Globalization, ethnicity and processes of social transformation
- Forced migration and internal population displacement
- Problems with rehabilitation
- Mal-development and climate change as a cause and consequence of displacement.
- The roots of poverty and inequalities
- The role of international government organizations and non-governmental organizations at both the international and local levels and their work with refugees
- Criminality and trafficking
- Gender, women and children
- Culture and identity

Global Refugee Studies is situated at Aalborg University Copenhagen. Full degree students begin 1 September. Guest/exchange students begin 1 September or 1 February. For more information about the application process, deadlines, tuition fee, scholarship etc. please see www.apply.aau.dk/how-to-apply-postgraduate/application-forms/
Or read the brochure:
www.studyguide.aau.dk/digitalAssets/40/40669_grs.pdf

GLOBAL SYSTEMS DESIGN

TYPE Master Programme

DURATION 2 years

LANGUAGE English

CONTACT mp.sg@ses.aau.dk

READ MORE www.studyguide.aau.dk/programmes/postgraduate/54213/academic-content

COMPETITION IS INTENSIFYING ON GLOBAL MARKETS. IN ORDER TO SURVIVE, PRIVATE COMPANIES AS PUBLIC ORGANISATIONS MUST BE HIGHLY INNOVATIVE – THAT IS BE ABLE TO IMPROVE THEIR PROCESSES, PROVIDE HIGH QUALITY AND SUSTAINABLE PRODUCTS AND SERVICES TO CLIENTS, GENERATE SATISFIED CUSTOMERS AND EMPLOYEES, AND ENSURE A PROFITABLE BUSINESS COMPARED TO COMPETITORS.

The Master's programme in Global Systems Design enables you to handle modern day business and organisational complexity. You will learn to analyse and model specific business processes as well as complete product-, service- and production systems. You will be trained to develop, simulate and cost-benefit-evaluate solutions and business simplification proposals as well as become skilled in standardisation and automation of work procedures and –processes.

ENGINEERING APPROACH

The programme is characterized by an engineering approach; hence, you will be working with application of modern calculation-, automation- and IT-technologies which can contribute to business process improvement and enhanced resource utilisation etc.

Candidates are expected to work in a number of industries, either manufacturing, transportation or service industries – as well as both in private or public sector organisations.



“ I CHOSE TO STUDY THE MASTERS PROGRAMME IN GLOBAL SYSTEM DESIGN, TO GET A BROAD-ER AND MORE WELL FOUNDET UNDERSTADING OF THE PROCESSES INVOLVED IN DESIGNING PRODUCT AND SERVICE PROCESSES. THIS IS REALIZED THROUGH CLASSES HELD BY ENTHUSIASTIC AND SERI-
OUS LECTURERS AND PROJECTS IN COLLABORATION WITH DANISH INTERNATIONAL ORIENTED COMPA-
NIES. I AM VERY GLAD, THAT I CHOOSE THIS MASTERS PROGRAMME. ”

KENNETH KALLESØE - BS.C. IN MACHINE AND PRODUCTION

INNOVATIVE COMMUNICATION TECHNOLOGIES AND ENTREPRENEURSHIP

TYPE Master Programme

DURATION 2 years

LANGUAGE English

CONTACT falch@cmi.aau.dk /

olesen@cmi.aau.dk

READ MORE www.studyguide.aau.dk/programmes/postgraduate/55771/academic-content

CREATIVITY, INNOVATION AND ENTREPRENEURSHIP. WITH ICTE, YOU WILL BECOME A MSC ENGINEER WITH A PROFOUND KNOWLEDGE OF THE INTERPLAY BETWEEN TECHNOLOGIES, USERS AND MARKETS.

Today, we witness how services and devices converge, physical objects become connected (Internet of Things), and data and services move to 'the cloud' (cloud computing). Personalised media, green ICT, intelligent transport systems, connected TV, mobile payment and mobile learning are some of the areas in which we work.

You will explore your creative skills and develop innovative and intelligent services based on concrete user needs.

You will learn theories and methods related to entrepreneurship and application of ICT in companies and organisations.

We educate engineers, who understand the huge potential of this field and can turn it into new services and business opportunities.

YOU WILL LEARN ABOUT

- Internet, communication and broadcast technologies
- Services, service architectures and platforms
- Development of user-friendly applications and services
- Advanced mobile media technologies, e.g. Google Android, HTML5 and Semantic Web
- Content management, recommender systems and personalisation
- Business development and business models
- Use of ICT in companies and organizations
- Security, privacy, legal and ethical aspects, including the use of digital identities.

SPECIALISATIONS

The theme of the programme at AAU-Cph is 'Converging media technologies'. You can choose one of the following tracks:

- Service development
- Business development
- Secure services and technologies

ICTE is also offered in Aalborg with the theme 'Telecom infrastructures' and tracks covering Cognitive Radio and eHealth. Read more here:

www.studyguide.aau.dk/programmes/postgraduate/53242/

INTEGRATED FOOD STUDIES

TYPE Master Programme

DURATION 2 years

LANGUAGE English

CONTACT dkj@plan.aau.dk

READ MORE www.studyguide.aau.dk/programmes/postgraduate/55788/academic-content

A MASTER IN INTEGRATED FOOD STUDIES AT AALBORG UNIVERSITY COPENHAGEN, WILL OFFER YOU THE POSSIBILITY TO STUDY FOOD AND ITS MANY MEANINGS IN SOCIETY.

THE MASTER OFFERS A HOLISTIC APPROACH COMBINING NATURAL SCIENCE, DESIGN AND SOCIAL SCIENCE TRADITIONS.

The master will be oriented towards contemporary and historical meanings and expressions of food through the study of food production, processing and consumption. Both 'main stream' and 'alternative food networks' gastronomy and nutritional aspects and meanings of food will be presented and elaborated with innovation and sustainability as two common key words.

With this master you will be able to get competences to widen the horizon from your food related bachelor either in nutrition or in other food related educations. The holistic approach will give you the ability to navigate in a complex world of food-related decisions and expressions, both public and private. Also 'hands on' activities with taste or innovation of food product design will offer an exciting dimension to the master.

The three professions in the master are meant to be a common part for all students, but it is possible to choose one of the three as a main specialization, mainly through the projects.

THE THREE PROFESSIONS CAN BE DESCRIBED AS:

- Design and Gastronomy
- IFood Policy, Innovation and Networks
- IPublic Health Nutrition

The Master in Integrated Food Studies is an English master with an expected mix of Danish and International students. The master will be based on the Problem Based Learning (PBL) model developed at Aalborg University, especially emphasizing the link to 'real life' cases in the projects at each semester. The master will therefore strive to establish contact to many different types of food related organizations, companies or networks in the public and the private spheres.



LIGHTING DESIGN

TYPE Master Programme

DURATION 2 years

LANGUAGE English

CONTACT studievejledning@aau.dk

READ MORE <http://www.studyguide.aau.dk/programmes/postgraduate/97902/>

LIGHTING DESIGN IS A NEW MASTER'S PROGRAMME AT AALBORG UNIVERSITY COPENHAGEN (AAU-CPH). IT IS A NEW, CROSS-DISCIPLINARY AND INTERNATIONAL PROGRAMME BASED IN A SPECIAL DANISH AND NORDIC TRADITION FOR LIGHT PERCEPTION. FOCUS IS THUS ON HOW THE TECHNICAL QUALITIES OF LIGHT AND MATERIALS ARE APPLIED IN ORDER TO PROMOTE COMFORT AND AESTHETICS.

In recent years, lighting technology has undergone a revolution, including intelligent and interactive control of light in rooms. Moreover, new lighting technologies and use of interactive screens are becoming increasingly visible in the public space.

Therefore, professional and highly educated lighting designers are sought after. Companies are looking for people who understand lighting design, are able to work with existing technologies and to develop new and smart solutions.

Lighting Design at Aalborg University gives you a future-proof education with an attractive international profile. All teaching is in English.

Visit light.aau.dk and read more about the programme, the team behind, research, etc. See also the brochure on Lighting Design: http://www.studyguide.aau.dk/digitalAssets/85/85207_lighting-design.pdf



TYPE Master Programme

DURATION 2 years

LANGUAGE English

READ MORE www.studyguide.aau.dk/programmes/postgraduate/57384/academic-content

During the financial crises, the computer games industry has, for example, experienced a tremendous growth while more traditional media firms and manufacturing firms have been exposed to an increased pressure. If you dream about a position as a top manager within the media industry, the specialization in Media Management is a unique opportunity. Focus is on the managing and leading of media firms and on how these firms can cope with future challenges.



CENTRAL THEMES IN THE PROGRAMME ARE:

- For a more thorough description of courses etc. please see the programme's curriculum here:

www.ses.aau.dk/digitalAssets/44/44052_cst_mediamanagement_globalmanagement_2012.pdf

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MEDIALOGY

TYPE Master Programme

DURATION 2 years

LANGUAGE English

CONTACT vejl-medialogi@aaauk.dk

READ MORE www.studyguide.aau.dk/programmes/postgraduate/53233/academic-content

ARE YOU INTERESTED IN DESIGN AND THE TECHNOLOGIES USED WITHIN FILM, SOUND, COMPUTER GAMES, DIGITAL ANIMATIONS AND GRAPHICS? DO YOU WANT TO LEARN TO DEVELOP COMPUTER GAMES, COMPUTER-GENERATED ANIMATED FILMS IN 3D ENVIRONMENTS AND INTERACTIVE MEDIA PRODUCTIONS?

To be successful in today's media society, you should be able to bridge the gap between technology and creativity. At Medialogy your creativity is what starts the process – and we give you the opportunity to study the interaction between technological science and the ways it is applied.

At Medialogy you will gain knowledge about film, animation and music technology and learn how design and computer science go hand in hand in today's and tomorrow's media productions. You will gain insight into the creative processes and thinking that precedes any media production.

You'll also learn how to use technological advances in engineering science in design and production of e.g. digital creation and manipulation of sound and images, computer games, computer-generated animated films, 3D worlds and digital art.



SERVICE SYSTEMS DESIGN

TYPE Master Programme

DURATION 2 years

LANGUAGE English

CONTACT vejl-medialogi@aaauk.dk

READ MORE www.studyguide.aau.dk/programmes/postgraduate/57224/academic-content

AT SERVICE SYSTEMS DESIGN YOU WILL LEARN ABOUT PLANNING AND ORGANISATION OF PEOPLE, INFRA-STRUCTURE, COMMUNICATION, MEDIA AND COMPONENTS OF A SERVICE, IN ORDER TO IMPROVE ITS QUALITY, THE INTERACTION BETWEEN SERVICE PROVIDER AND CUSTOMERS AND THE CUSTOMERS' EXPERIENCE.

In the private sector, service design is increasingly considered an important competitive factor in existing services and a support to the introduction of new services. Service design consultants are often required in the sectors of travel, healthcare, information services, bank and financial services and retail services.

Also the public sector has recently emphasized the importance of service design in creating new citizens' services and increasing the quality of existing public services. Service designers are increasingly requested by public authorities to re-organize healthcare services, tourist services, traffic and parking services, and public administration.

Notwithstanding the emerging demand there are no specific education programmes for this professional profile. The Master's programme in Service Systems Design is the first programme that specifically addresses the demand for this professional competence. For this reason, several companies and public organisations have expressed an interest in this new programme.



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SOUND AND MUSIC COMPUTING

TYPE Master Programme

DURATION 2 years

LANGUAGE English

CONTACT studievejledning@aau.dk

READ MORE <http://www.studyguide.aau.dk/programmes/postgraduate/97903/>

AT AALBORG UNIVERSITY, WE OFFER A NEW MSC PROGRAMME IN SOUND AND MUSIC COMPUTING. YOU CAN STUDY IN EITHER AALBORG OR COPENHAGEN.

As an engineer in Sound and Music Computing, you will become an important player in the new information society. Through a combination of practice and theory in subjects such as data modelling, signal processing, pattern recognition, sound technology and –perception, cognition and interactive systems, you will obtain a solid background in a fast growing field.

Annually, Denmark exports sound and music products

for over €2 billion such as hearing aids, multimedia productions, music equipment, communication technology, hi-fi equipment, games development and measuring equipment, etc.

You will be trained to solve problems demanding deep technological insight as well as knowledge on the creative aspects and users. This combination makes the programme in Sound and Music Computing unique in Denmark, and competences in both the technical and creative area are much sought after.

All teaching is done in English.



SURVEYING, PLANNING AND LAND MANAGEMENT - GEOINFORMATICS

TYPE Master Programme

DURATION 2 years

LANGUAGE English

CONTACT lvejledning-b@land.aau.dk

READ MORE www.studyguide.aau.dk/programmes/postgraduate/55781/academic-content

DO YOU WANT TO USE MODERN GEOGRAPHIC INFORMATION TECHNOLOGY TO SOLVE REAL WORLD PROBLEMS?

The Master of Science program in Geoinformatics at Aalborg University Copenhagen is directed at students with a bachelor's degree in surveying, land management, urban planning, environmental planning, geography or study programs with similar contents interested in understanding the concepts and obtaining the necessary skills to manage various kinds of digital geographic information. Basic knowledge about geographic information and information technology is required for enrolment but we will take you further and disseminate spatial information to build computer based representations of the real world leading to development of technologies and methods for planners and resource managers.

Thus our goal is to introduce graduate students to the potentials of modern geographic information technology to strengthen their professional approach to solving real world problems in their specific field of interest. Based on traditional problem based learning methods, the students will be introduced to geoinformatics by participating in project works (50%) and course works (50%). Approximately half of the courses will be examined individually with a dedicated curriculum. The rest are given as a supplement to the project oriented work being evaluated through the project.



GEOINFORMATICS IS THE PERFECT SPECIALISATION FOR ME

I HAVE BEEN FASCINATED BY MAPS SINCE I WAS A CHILD, AND IN HIGH SCHOOL I BECAME VERY INTERESTED IN PROGRAMMING. THEREFORE THE MASTER'S PROGRAMME IN GEOINFORMATICS IS THE PERFECT SPECIALISATION FOR ME. IN MY OPINION THE MOST EXCITING COURSE IS GEOVISUALISATION WITH ITS 3D ASPECT BECAUSE IT'S SOMETHING NEW AND YOU CAN SEE THE WORLD RISING IN FRONT OF YOUR EYES.

VLAD HOSU - ROMANIA

It takes two years to attain a master degree in Geoinformatics, and during this time you will meet a wide range of teachers who will present you with new knowledge in key areas.

The educational programme is internationally oriented, and attracts Danish as well as international students. Furthermore the educational programme offers the opportunity of an internship or/and an external study as well as study trips inside and outside Denmark during the 3rd semester.

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SURVEYING, PLANNING AND LAND MANAGEMENT - LAND MANAGEMENT

TYPE Master Programme

DURATION 2 years

LANGUAGE English

CONTACT lvejledning-b@land.aau.dk

READ MORE www.studyguide.aau.dk/programmes/postgraduate/55782/academic-content

WOULD YOU LIKE TO WORK WITH KEY ISSUES AND CHALLENGES ASSOCIATED WITH LAND TENURE, LAND VALUE, LAND USE AND LAND DEVELOPMENT IN THE 'MAKING OF PLACES'?

The master's programme in t combines theories and methodologies from social and political science with property economics and legislation. It also explores the limits and opportunities of technology in dealing with land related issues, such as e-governance. Hence, it offers a complex, interdisciplinary, and solution-oriented approach in dealing with land management issues.

The aim of the programme is to provide knowledge and competence in dealing with land management issues, building adequate land administration systems as well as spatial governance as an infrastructure to implement land-related policies and land management strategies.

Land administration systems are a basis for conceptualizing rights, restrictions, and responsibilities. It deals with managing relations between people, policies and places in support of sustainable spatial development. Land management is therefore concerned with the governing as well as the governance of land. It includes careful consideration of the interaction between public authorities, private developers and businesses, land owners, and citizens.

It takes two years to attain a master degree in Land Management, and during this time you will meet a wide range of teachers who will present you with new knowledge in key areas.

The educational programme is internationally oriented, and attracts Danish as well as international students.

Furthermore the educational programme offers the opportunity of an internship or/and an external study as well as study trips inside and outside Denmark during the 3rd semester.



Read on in the study guide about the academic content of Land Management here:

www.studyguide.aau.dk/programmes/postgraduate/55782/academic-content/

SUSTAINABLE BIOTECHNOLOGY

TYPE Master Programme

DURATION 2 years

LANGUAGE English

CONTACT bio.sg@ses.aau.dk

READ MORE www.studyguide.aau.dk/programmes/postgraduate/53189/academic-content

DO YOU WANT TO DEVELOP NEW BIOTECHNOLOGICAL SOLUTIONS FOR TOMORROW'S SOCIETY?

ARE YOU INTERESTED IN SUSTAINABILITY AND RENEWABLE ENERGY?

DO YOU WANT INSIGHT INTO BIOLOGY, BIOCHEMISTRY AND MOLECULAR BIOLOGY?

If you answer yes to any of these questions, the education in sustainable biotechnology at Aalborg University in Denmark could be of interest to you.

THE CHALLENGE OF THE FUTURE

Natural resources should be exploited in a smart way! The development of green technologies is a highly prioritised and rapidly growing area, which is fundamental for the development of a sustainable society.

In the last century we have built our society upon fossil resources. Mineral oil still constitutes the most important source of liquid fuels, but it is also an important raw material for the production of plastics, chemicals, pharmaceuticals, etc.

Within one generation, we need to exploit alternative sustainable resources to compensate for the forthcoming depletion of mineral oil but also to deal with greenhouse gases and the associated climate effects.

Biomass is assumed to be the most important replacement for oil as an industrial raw material. Oil refineries will be replaced by bio refineries where the processes are based upon microorganisms, enzymes and chemical catalysis. The products are biofuels, biochemicals for the pharmaceutical - and chemical industry and biologically active compounds.

Oil will be replaced by crop residues, algae, and industrial wastes from food production, which will be converted into the products.

The current century has been considered the century of biology. Biological solutions are necessary to develop sustainable solutions to the many global challenges such as depletion of resources, climate changes, lifestyle diseases, food supply, etc.



SUSTAINABLE CITIES

TYPE Master Programme

DURATION 2 years

LANGUAGE English

CONTACT bemvejlcp@plan.aau.dk

READ MORE www.studyguide.aau.dk/programmes/postgraduate/55787/academic-content

INTERNATIONALLY, CITIES AND BUSINESSES POSE A SIGNIFICANT CHALLENGE TO SUSTAINABLE DEVELOPMENT, BOTH ENVIRONMENTALLY, SOCIALLY AND ECONOMICALLY.

In the future, up to 70-80% of the world population will live in cities, and thus it is important to handle the challenges they pose. It is significant that planning is done across sectors and professions like energy, water, waste, urban planning, etc. Thus, it is necessary to be able to think across sectors, analyse consequences in multiple areas and include stakeholder such as citizens, companies and environmental organisations.

The Master Programme In Sustainable Cities at Aalborg University Copenhagen will cover issues of engineering such as waste, energy, water resources and transport, as well as political science, green growth and different forms of impact assessment.

The graduates from this Master of Science will be educated in being capable of creating the framework for the Sustainable Cities of the future, where economic, social and environmental purposes are integrated in new ways.



SUSTAINABLE DESIGN

TYPE Master Programme

DURATION 2 years

LANGUAGE English

CONTACT info@sustainabledesign.aau.dk

READ MORE www.studyguide.aau.dk/programmes/postgraduate/78507/academic-content

DO YOU WANT TO TRANSFORM PRODUCTS AND SYSTEMS TO ACHIEVE GREATER SUSTAINABILITY? SUSTAINABLE DESIGN IS A TWO-YEAR MASTER PROGRAMME (120 ECTS CREDITS) WHICH FOCUSES PARTICULAR ON DESIGN AND DEVELOPMENT OF SUSTAINABLE SOLUTIONS.

The challenge of sustainable design is to develop products and networks, which can transform systems of consumption and production to be more sustainable.

The master's programme in Sustainable Design combines sustainable product design with tools from innovation theory, practice theory and user-oriented design. Visualisation and experimentation are important strategies to develop new innovative solutions, which can overcome system dependencies and achieve sustainable system transformation in various societal sectors.

You engage in challenging design-oriented problem solving in collaboration with NGO's, companies, public institutions and professional groups.

Perhaps you design and develop future relief tents, robot vacuum cleaners or bike airbags. You can also work with rehabilitation of older, energy-efficient mobility or waste systems in cities.

SUSTAINABLE DESIGN IS THE FUTURE ...

■ ■ SUSTAINABLE DESIGN ANSWERS AN IMPORTANT NEED FOR ENGINEERS WHO CAN DEVELOP AND REALIZE LONG-TERM AND SUSTAINABLE WELFARE. IT IS CRUCIAL TO ENABLE ENGINEERS TO INFLUENCE THE MULTIDISCIPLINARY SCENERY OF CURRENT ORGANIZATIONAL SETTINGS WHERE EVERY DAY DECISION-MAKING HAS TO MEET THE CHALLENGES OF REALIZING SUSTAINABLE, GLOBAL AND SOCIETAL TRANSITION. ■ ■

NILS THORSEN

SENIOR MANAGER, ERNST & YOUNG



CPH

AAL

TECHNO-ANTHROPOLOGY

TYPE Master Programme

DURATION 2 years

LANGUAGE English

CONTACT cph.sg@ses.aau.dk

READ MORE www.studyguide.aau.dk/programmes/postgraduate/53203/academic-content

THE MASTER'S PROGRAMME IN TECHNO-ANTHROPOLOGY COMBINES COMPETENCE IN CARRYING OUT ANTHROPOLOGICAL STUDIES OF TECHNO-SCIENCE CULTURES WITH TECHNOLOGICAL INSIGHT.

You deal with collaboration between technical experts in different settings and other stakeholder groups, e.g. consultancy firms, R&D departments at multinational companies, advisory bodies, international organisations, public institutions, think tanks, NGOs, or universities. You work theoretically and empirically on how such collaborations can be turned into sustainable technological innovation and responsible decision-making regarding new technologies. You also use anthropological theory and methods to study how technology is used, and how it influences users.

In other words, Techno-Anthropology is for the person who wants to make a difference globally by contributing to the development of sustainable and ethical, new technologies



by applying the theories and methods of anthropology, and who wants to study and influence the development, decision-making and uses of science and technology.

The programme presents students with theoretical accounts of knowledge production, user-driven innovation, expert cultures and social responsibility. It combines sustainable and responsible technological innovation with competence in carrying out anthropological studies of new technology as well as of the experts who develop cutting edge technology.

Students completing the MSc programme in Techno-Anthropology are able to analyse and understand expert technology cultures and to facilitate and promote this understanding outside of the expert culture.

The Master programme in Techno-Anthropology is offered in English only.



CPH

AAL

TOURISM

TYPE Master Programme

DURATION 2 years

LANGUAGE English

CONTACT ccgtourism@cgs.aau.dk

READ MORE www.studyguide.aau.dk/programmes/postgraduate/53282/academic-content



PREPARE FOR A CAREER IN THE WORLD'S FASTEST GROWING INDUSTRY!

The Tourism Programme at Aalborg University, is a two-year Master's degree which is offered in English at the university's campuses in Aalborg and Copenhagen. Aalborg University - in both locations - is the ideal place for your academic studies if you appreciate the informal and egalitarian tradition of Scandinavia combining practical and theoretical perspectives through project-oriented learning.

WHY STUDY TOURISM?

New demands from increasingly sophisticated consumers imply that tourism marketers need to renew their experience offers, promotion and organisational practices continually. Furthermore, public actors must think of new ways to optimize conditions for businesses while simultaneously taking care of natural resources and cultural heritage so that local populations can thrive alongside tourists.

The Tourism Programme at Aalborg University addresses the complexity and dynamics of such challenges from a broad social scientific perspective.

PROBLEM-BASED AND PROJECT-ORIENTED STUDIES

A trademark of the Tourism programme (and Aalborg University) is its unique pedagogical model of teaching:

The problem-based, project-oriented model.

With this method a great part of the semester teaching and student work revolves around complex real-life problems that students investigate and try to find answers to in scientific manners, while working together in groups. Through this work process, and supported by courses, literature, and the cooperation with companies and organizations, the students arrive at a deeper understanding of the subject investigated than they would have from just reading and being lectured to. Apart from the strictly academic outcomes of this work method, it also brings the students other specific and important qualifications like good cooperation skills, and the ability to work creatively and independently.

**Read more about the Tourism Master's
Programme in the brochure here:**

http://www.studyguide.aau.dk/digitalAssets/37/37562_tourism_2010.pdf

OFFERS

- 22** SPECIAL OFFERS FOR INTERNATIONAL STUDENTS
- 24** CAMPUS FACILITIES
- 25** INNOVATION & ENTREPRENEURSHIP

The AAU-Cph campus offers a wide variety of activities and facilities. The next few pages give you a brief overview of some the special offers aimed especially at international students, the facilities at campus and the many interesting initiatives concerning innovation and entrepreneurship at AAU-Cph.

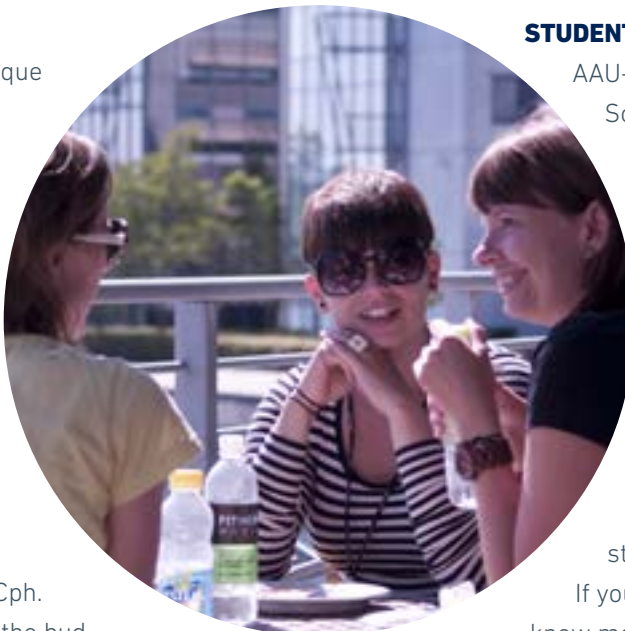
SPECIAL OFFERS FOR INTERNATIONAL STUDENTS

BUDDY NETWORK

The Buddy Network present a unique opportunity for international students to connect with a current student at AAU-Cph, get familiar with both campus and Copenhagen, and get a friend forever. If you have any questions, then please contact international@cph.aau.dk

COFFEE SPOT

The Coffee Spot is a small cafe for both Danish and international students and employees at AAU-Cph. The cafe was created by some of the buddies, as a refuge from the busy humdrum of everyday life, where you can enjoy coffee, cake, board games, company and cosiness. Once a month the international students are especially in focus, in events where the main purpose is creating contacts and friendships across borders and studies. The Coffee Spot is open every Wednesday, 14:00- 18:00, at A.C. Meyers Vænge 15, 5th floor



STUDENT SOCIETY AT AAU-CPH

AAU-Cph has its own Student Society (Studentersamfundet) which consists of students from the different study programmes. The Student Society is an organization that handles the students' interests concerning political matters. The Student Society also plays an important role in the development of the campus and the study environment.

If you have any questions or wish to know more please contact

cph@s-et.aau.dk or visit the website studentersamfundet.aau-cph.dk/?language=en

AIESEC

AIESEC is a globally driven network – present in more than 110 countries and territories and with more than 60.000 members. It offers young people the opportunity to

participate in international internships, experience leadership and participate in a global learning environment. AIESEC is offering a unique youth driven impactful experience to its members and is run by young people for young people, enabling a strong experience to all its stakeholders.

AIESEC is being established as an extension of AIESEC Aalborg University at AAU-Cph and will hopefully result in a number of benefits for Danish and international students, including:

- Enhancing the international environment at the AAU-Cph campus
- Strengthening the international opportunities for the AAU-Cph students
- Working as an active sparring partner for AAU-Cph and its students

FREE LANGUAGE COURSES

AAU-Cph has close cooperations with different language providers in Copenhagen. Following the courses that these providers are offering will give you a grasp of the language as well as an understanding of the Danish society.

As a student in Denmark you can select any language provider for free if you:

- are a student at Aalborg University
- are at least 18 years
- have a Danish civil registration number (CPR- number).
- complete your study of the Danish language within 3 years
- don't register for free lessons with another provider

IA Sprog

www.iasprog.dk/en/

København Sprogcenter

www.kbh-sprogcenter.dk/learn_danish

EN.CPH.AAU.DK



CAMPUS FACILITIES

AALBORG UNIVERSITY LIBRARY (AUB)

AUB at the campus in Copenhagen does not contain books, but during the opening hours the resident librarians will order books for you from the main library in Aalborg and the books will be sent to AAU-Cph for pick-up.

A.C. Meyers Vænge 15, 2nd Floor
2450 Copenhagen SV.

OPENING HOURS

Monday to Friday: 9:00-15:00

CANTEEN

AAU-Cph has its own canteen located in A.C. Meyers Vænge 15.

Every day the canteen serves a variety of healthy and sustainable food. Sodexo is the company which runs the canteen at AAU-Cph, and their mission is to "Improve the Quality of Daily Life"

OPENING HOURS:

Monday - Friday: 8.00 - 15.00
Breakfast is served 8.00 - 10.00
Lunch is served 11.00 - 14.00

SPORTS AT AAU-CPH

GYM AT THE AAU-CPH CAMPUS

If you want to work-out before or after your lecture you can use the gym at the AAU-Cph campus in the basement of A.C. Meyers Vænge 15.

It is currently not fully functioning and is therefore currently free to use. When the reparations are completed, a membership will be needed in order to gain access. In the gym you will find different exercise machines. Please note that the access to the gym is still in progress. More Information will follow as soon as it becomes available.

FOOTBALL TEAM

AAU-Cph also has university football teams that you can join as an international student. The teams participate in different tournaments in the Copenhagen area.

If you want to be a part of the football team you can contact Simon Frank:

sfje10@student.aau.dk

INNOVATION & ENTREPRENEURSHIP

Your time at AAU-Cph is a fantastic opportunity to try your hand at new and crazy ideas.

AAU has a number of exciting initiatives and activities that can help you develop as a student, support your idea and strengthen your business profile.

THE STUDENT INCUBATOR

Would you like to create something new? Something that will be used in the “real world?” Would you like to start your own business while you’re studying? The Student Incubator offers you a great opportunity to realize such desires. Apply for funding, find office space, get advice and meet fellow students who have the competences you need.

www.en.cph.aau.dk/innovation/the-student-incubator/

MATCH-UP

No study program covers everything, and we can learn a lot by working with each other across studies. Match-Up is a platform where AAU-Cph students have the opportunity to find each other and engage in fruitful cooperation across studies and semesters. You can, for example, find fellow students whose abilities are exactly what you need to realize your own idea or you can find exciting project ideas to be part of.

www.en.cph.aau.dk/innovation/the-student-incubator/match-up/

DANISH APP LAB

Do you have an idea for a new, revolutionary app that we can’t live without? Would you like to develop it in a dynamic and inspiring office environment? Then be a part of Danish App Lab where you have access to facilities for app development, become part of a professional network, and take part in weekly events on idea development, entrepreneurship and business development, for free.

www.danishapplab.dk

THE CAREERS CENTRE

At the Careers Centre we advise and coach you about your career and business contacts both during and after your studies. Each semester we also hold a wide range of career-related courses and events. And you can search for student jobs, internships and projects in jobbank.aau.dk.

www.careers.aau.dk

SOLUTION CAMP

Solution Camp is an AAU workshop concept where groups of students devise ideas and propose solutions to a business problem in conjunction with the company itself, during a seven-hour process. Solution Camp is based on the Creative Platform and you’ll be part of a creative and unique process with a focus on radical innovation.

www.solution.aau.dk

WOFIE

WOFIE is a four-day innovation workshop created by AAU for master’s students, graduates, master’s (continuing education) and PhD students, where you go from idea to business model. It’s a unique opportunity to work in a cross-disciplinary way and strengthen your network with other students and the business community. In 2013 WOFIE will take place from the 19th - 22nd of March and the theme is “Sustainability.”

www.wofie.aau.dk

KICKSTART

KickStart is “By students, For students.” This is your opportunity to create and put your stamp on the innovative environment of your studies. If you want a special lecture, an event ect, this is the way to go. You can rally students around your initiative and get help with funding.

www.facebook.com/KickstartAAU

AAU MATCHMAKING

AAU is a leader in knowledge transfer between academia and industry. By collaborating with industry on activities related to your studies, you can gain valuable practical experience, networking and the opportunity to see the direct results of your work already during your studies. Explore the many opportunities and contact the Matchmaking Secretariat for further information.

www.en.match.aau.dk



AALBORG UNIVERSITY COPENHAGEN

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2450 Copenhagen S
Denmark

PHONE:

+45 9940 2500

ADMINISTRATION:

campusadm@aau.dk

INTERNATIONAL ADVISOR:

international@cph.aau.dk

READ MORE:

www.studyguide.aau.dk

EN.CPH.AAU.DK



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