
DFC SCHOLARSHIPS FOR MASTER'S PROGRAMMES IN DENMARK

Compendium: Master's Programmes for the Energy Sector Programme



ROYAL DANISH EMBASSY
Pretoria



Danida Fellowship Centre
- sustaining development through research and learning

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MSc in Climate Change

University of Copenhagen,
Copenhagen

2 years
120 ECTS

Application deadline: January 15 2019
Programme start: September 2019

Programme Introduction:

The MSc in Climate Change is an interdisciplinary programme that combines a natural and social science approach to the study of climate change, its causes and effects, how we can deal with it and adapt to it.

As an MSc Climate Change student, you will acquire knowledge and competences, originating in a variety of scientific disciplines, from geophysics to geopolitics, and learn how to combine these. With an MSc in Climate Change, you will be equipped to take up job functions associated with local, national and international efforts to deal with climate change, one of the currently greatest challenges to modern society. The two-year MSc programme in Climate Change draws on staff from a range of internationally leading research groups and centres at University of Copenhagen.

During the programme, students will encounter a wide variety of teaching methods. Courses will include web-based learning, lectures, exercises, seminars, excursions and group/project work, and teachers will be researchers of high international standing within a range of disciplines. In addition, we are inviting leading foreign climate researchers as guest lecturers.

Programme Specific Requirements:

Kindly find all information about admission requirements for this specific Master's programme through the programme's website: <https://studies.ku.dk/masters/climate-change/admission-requirements/>.

When applying to the Sector Counsellor you need to provide an assessment of your eligibility for the programme based on the requirements stated by UCPH. Please fill in the *Assessment of eligibility form* (Annex B) and send along with your application.

University of Copenhagen (UCPH):

UCPH is situated in the capital and largest city in Denmark, Copenhagen. It is a comprehensive university with six faculties and around 100 departments and research centres. It has a strong international environment with 14 percent being international students.

UCPH is often ranked as one of the best universities in Europe and offers education and research at the highest international level with 5,000 academic staff and eight Nobel Prize laureates.

More Information:

To find out more about this programme:
<https://studies.ku.dk/masters/climate-change/>.

To find out more about UCPH:
<https://www.ku.dk/english/>.

Deadline for submission of scholarship application to the Sector Counsellor is

August 16th 2018

Kindly send to Jørgen Larsen (joelar@um.dk) and Malepile Moseki (malmos@um.dk).



MSc in Energy Engineering

Aalborg University,
Aalborg

2 years
120 ECTS

Application deadline: March 1 2019
Programme start: September 2019

Programme Introduction:

Energy is a foundation for our conditions of life and an important item on the Danish agenda as well as the international. As a student in Energy Engineering, you can help keeping the society moving, flying and running and help solving fundamental energy-related issues that affect people across borders and continents. Energy Engineering students will help identifying and defining the future energy sources, such as wind turbines, solar panels, fuel cells and biofuels. You gain knowledge about novel energy technologies and help in optimising existing apparatus and systems to reduce energy consumption.

The industry wants such candidates with cooperation skills, which the project and group work, provide and Energy Engineers are in short supply – Denmark will lack 13,500 engineers in 2025. During the study programme, you will have possibilities to work with high tech companies and will become part of an exciting international environment and have the possibility of exciting international stays. Furthermore, Aalborg University has a flexible incubator environment that supports your creative dream and business idea.

Programme Specific Requirements:

Kindly find all information about admission requirements for this specific Master's programme through the programme's website:
<https://www.en.aau.dk/education/master/energy-engineering/application-and-requirements>.

When applying to the Sector Counsellor you need to provide an assessment of your eligibility for the programme based on the requirements stated by AAU. Please fill in the *Assessment of eligibility form* (Annex B) and send along with your application.

Aalborg University (AAU):

Degree programmes offered at AAU are problem and project-based with an interdisciplinary focus and a real-world approach. AAU promotes strong interplay between staff and students and intense collaboration with public and private sector.

Aalborg is Denmark's fourth largest city situated in the Jutland region of Denmark. According to Aalborg itself, it is "just like a big city – only more pleasant!"

More Information:

To find out more about this programme:
<https://www.en.aau.dk/education/master/energy-engineering>.

To find out more about AAU:
<https://www.en.aau.dk/>.

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MSc in Environmental and Resource Management

University of Southern
Denmark, Esbjerg

2 years
120 ECTS

Application deadline: February 1 2019
Programme start: September 2019

Programme Introduction:

MSc in Environmental and Resource Management combines natural science, engineering and social science, which enable the students to create sustainable solutions by addressing the environmental problems of tomorrow. Are you interested in obtaining analytical and empirical skills for solving the environmental problems of tomorrow? Are you interested in finding balances among environmental, economic and social interest?

To answer these questions, you need a thorough understanding of the many approaches toward the environmental problems.

MSc in Environmental and Resource Management combine natural science, engineering and social science, which enable the students to create sustainable solutions by addressing the environmental problems of tomorrow.

Graduates will be able to design and conduct analysis of existing or future environmental strategies and policies within an organisation or at a societal level.

Programme Specific Requirements:

Kindly find all information about admission requirements for this specific Master's programme through the programme's website:
https://www.sdu.dk/en/uddannelse/kandidat/miljoe_og_ressource_management/adgangskrav.

When applying to the Sector Counsellor you need to provide an assessment of your eligibility for the programme based on the requirements stated by SDU. Please fill in the *Assessment of eligibility form* (Annex B) and send along with your application.

University of Southern Denmark (SDU):

As a relatively young university, SDU welcomed the first students in Odense in September 1966. Since then the university has grown, and are now among the top fifty young universities in the world.

Campus Esbjerg is close to the city centre with numerous cafés, exciting cultural, leisure and sports offerings. Esbjerg is the fifth-largest city in Denmark located on the west coast of Jutland.

More Information:

To find out more about this programme:
https://www.sdu.dk/en/uddannelse/kandidat/miljoe_og_ressource_management.

To find out more about SDU:
<https://www.sdu.dk/en/>.

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August 16th 2018

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MSc in Environmental Engineering

Technical University of
Denmark, Lyngby

2 years
120 ECTS

Application deadline: January 15 2019
Programme start: September 2019

Programme Introduction:

Environmental Engineering is a broad, interdisciplinary programme focusing on the technical and environmental sciences. The study programme aims to provide students with the competencies to develop sustainable solutions to complex environmental issues, while also taking into account legal, societal, financial, and resource aspects.

As a graduate MSc in Environmental Engineering you will be able to design, conduct, and interpret laboratory and field experiments and can quantify the hazards, risks, and uncertainties of environmental problems.

During the period of study, you will gain in-depth knowledge and understanding of the physical, chemical, and biological processes causing local and global environmental challenges. You will be involved in experimental projects and learn about the processes through mathematical models and statistical analysis of data and measurements. You will be provided with problem-solving techniques designed to avoid or minimize environmental impact. You will also have the opportunity to study the latest technologies used in western society and gain insight into the challenges facing the developing countries. In addition, you will learn about urban planning, occupational health and safety, environmental regulations, and environmental

Programme Specific Requirements:

Kindly find all information about admission requirements for this specific Master's programme through the programme's website: http://www.dtu.dk/english/education/msc/programmes/environmental_engineering#prerequisites.

When applying to the Sector Counsellor you need to provide an assessment of your eligibility for the programme based on the requirements stated by DTU. Please fill in the *Assessment of eligibility form* (Annex B) and send along with your application.

Technical University of Denmark (DTU):

DTU is an international elite technical university where education, meets scientific advice, innovation and world-class research. DTU is at the forefront of the technical and natural sciences, and has initiatives in demanding engineering disciplines including sustainable energy technology and life science. DTU's main campus is situated in Lyngby, a lively suburb of Copenhagen with a rich cultural life, excellent shopping and beautiful countryside nearby.

More Information:

To find out more about this programme:
http://www.dtu.dk/english/education/msc/programmes/environmental_engineering.

To find out more about DTU:
<http://www.dtu.dk/english/>.

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MSc in Environmental Risk

Roskilde University Centre,
Roskilde

2 years
120 ECTS

Application deadline: January 15 2019
Programme start: September 2019

Programme Introduction:

Learn to understand and assess complex environmental issues using tools and techniques from several scientific disciplines.

Environmental Risk is an interdisciplinary approach to analysing and solving environmental problems. Although emphasis is on theory and methods of Natural Sciences, the programme includes elements from Social Sciences with focus on practices of risk assessment of real environmental problems. You learn to understand and assess complex environmental issues using relevant tools and techniques from several scientific disciplines.

The programme covers subjects such as evaluation of environmental risks in connection with natural disasters; volcanic eruptions, earthquakes, landslides and flooding as well as evaluating technologies and chemical agents that have the potential to harm ecosystems, animals and human health. You acquire the skills necessary to professionally implement environmental legislation and regulatory programmes and to provide in depth advice to future environmental regulation.

Programme Specific Requirements:

Kindly find all information about admission requirements for this specific Master's programme through the programme's website: <https://ruc.dk/en/admission-masters-programmes>.

When applying to the Sector Counsellor you need to provide an assessment of your eligibility for the programme based on the requirements stated by RUC. Please fill in the *Assessment of eligibility form* (Annex B) and send along with your application.

Roskilde University Centre (RUC):

RUC was originally established in order to challenge academic traditions and to experiment with new ways to create and acquire knowledge. RUC employ an interdisciplinary approach because no major problems are ever resolved on the basis of any single academic discipline alone.

Roskilde is a city near Copenhagen. It is known as the Viking City of Denmark, and is surrounded by living history, nature and unique experiences.

More Information:

To find out more about this programme:
<https://ruc.dk/en/environmental-risk-singlesubject-master>.

To find out more about RUC: <https://ruc.dk/en/>.

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MSc in Environmental Science

Aalborg University,
Aalborg

2 years
120 ECTS

Application deadline: March 1 2019
Programme start: September 2019

Programme Introduction:

Are you interested in protecting and managing nature and environment? Would you like to discover new ways to use our natural resources in a more sustainable way? And do you think it is interesting to work with different issues in an interdisciplinary manner? The Master's programme in Environmental Science at Aalborg University offers you the opportunity to participate in the development of new processes and technologies, which can ensure sustainable energy production and resource management.

The programme is cross disciplinary, and you use your knowledge within chemistry, physics, biology, and microbiology to investigate and solve environmental challenges in cities, industries, agriculture and nature. You will learn both to prevent and to solve a wide range of environmental problems. In your semester projects, you and your project group will explore complex and often interdisciplinary issues within the field of environmental science and you are challenged to use all of your knowledge to come up with possible solutions.

Programme Specific Requirements:

Kindly find all information about admission requirements for this specific Master's programme through the programme's website:
<https://www.en.aau.dk/education/master/environmental-science/application-and-requirements>.

When applying to the Sector Counsellor you need to provide an assessment of your eligibility for the programme based on the requirements stated by AAU. Please fill in the *Assessment of eligibility form* (Annex B) and send along with your application.

Aalborg University (AAU):

Degree programmes offered at AAU are problem and project-based with an interdisciplinary focus and a real-world approach. AAU promotes strong interplay between staff and students and intense collaboration with public and private sector.

Aalborg is Denmark's fourth largest city situated in the Jutland region of Denmark. According to Aalborg itself, it is "just like a big city – only more pleasant!"

More Information:

To find out more about this programme:
<https://www.en.aau.dk/education/master/environmental-science>.

To find out more about AAU:
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MSc in Geography and Geoinformatics

University of Copenhagen,
Copenhagen

2 years
120 ECTS

Application deadline: January 15 2019
Programme start: September 2019

Programme Introduction:

An MSc in Geography and Geoinformatics gives you the opportunity to focus your efforts within a specialised field of geography. You are offered three different specialisations that provide you with research-based competencies geared towards special vocational functions. You can work in depth with topics such as urban and regional development, globalisation, sustainability, resource management, global environmental and natural processes and applied geoinformatics. Also, you will learn how to analyse local, national and global issues on an interdisciplinary basis. The programme thus gives you plenty of opportunity to compose your own academic profile.

The study programme in Geography and Geoinformatics offers you three different specialisations:

- Geoinformatics
- Physical Geography
- Human Geography

Programme Specific Requirements:

Kindly find all information about admission requirements for this specific Master's programme through the programme's website: <https://studies.ku.dk/masters/geography-and-geoinformatics/admission-requirements/>.

When applying to the Sector Counsellor you need to provide an assessment of your eligibility for the programme based on the requirements stated by UCPH. Please fill in the *Assessment of eligibility form* (Annex B) and send along with your application.

University of Copenhagen (UCPH):

UCPH is situated in the capital and largest city in Denmark, Copenhagen. It is a comprehensive university with six faculties and around 100 departments and research centers. It has a strong international environment with 14 percent being international students.

UCPH is often ranked as one of the best universities in Europe and offers education and research at the highest international level with 5,000 academic staff and eight Nobel Prize laureates.

More Information:

To find out more about this programme:
<https://studies.ku.dk/masters/geography-and-geoinformatics/>.

To find out more about UCPH:
<https://www.ku.dk/english/>.

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MSc in Sustainable Energy

Technical University of
Denmark, Lyngby

2 years
120 ECTS

Application deadline: January 15 2019
Programme start: September 2019

Programme Introduction:

The MSc programme in Sustainable Energy aims to provide you with qualifications in energy systems with a specialization in one of the sustainable energy technologies. In the coming decades, global energy systems will undergo major changes, and their sustainability will prove to be of the utmost importance – environmentally, economically, and socially. DTU is at the cutting edge in Europe when it comes to research in sustainable energy.

During the course of study, you will acquire extensive expertise on various energy technologies and systems with focus on sustainability. The first semester consists of three courses covering the main aspects of sustainable energy systems:

- Energy economics, markets, and policies;
- Modelling and analysis of sustainable energy systems using operations research;
- Energy and sustainability.

Within this framework, you can choose between eight different study lines.

Programme Specific Requirements:

Kindly find all information about admission requirements for this specific Master's programme through the programme's website: http://www.dtu.dk/english/education/msc/programmes/sustainable_energy#prerequisites.

When applying to the Sector Counsellor you need to provide an assessment of your eligibility for the programme based on the requirements stated by DTU. Please fill in the *Assessment of eligibility form* (Annex B) and send along with your application.

Technical University of Denmark (DTU):

DTU is an international elite technical university where education, meets scientific advice, innovation and world-class research. DTU is at the forefront of the technical and natural sciences, and has initiatives in demanding engineering disciplines including sustainable energy technology and life science. DTU's main campus is situated in Lyngby, a lively suburb of Copenhagen with a rich cultural life, excellent shopping and beautiful countryside nearby.

More Information:

To find out more about this programme:
http://www.dtu.dk/english/education/msc/programmes/sustainable_energy.

To find out more about DTU:
<http://www.dtu.dk/english/>.

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August 16th 2018

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MSc in Sustainable Energy Engineering

Aalborg University,
Esbjerg

2 years
120 ECTS

Application deadline: March 1 2019
Programme start: September 2019

Programme Introduction:

Are you interested in the design of complex offshore energy systems or bioenergy systems? Studying the Master's programme in Sustainable Energy Engineering, you learn about developing intelligent and effective methods to utilise energy resources.

During the Master's programme in Sustainable Energy Engineering at AAU Esbjerg, you work with the latest technologies within areas such as analysis and design of systems for offshore wind turbines, modelling of complex offshore systems, combustion technology and bioenergy systems. In this way, you learn to design, develop and manage effective methods for utilisation of energy resources.

You choose one of two specialisations:

- Process Engineering and Combustion Technology
- Offshore Energy Systems

Programme Specific Requirements:

Kindly find all information about admission requirements for this specific Master's programme through the programme's website:

<https://www.en.aau.dk/education/master/sustainable-energy-engineering/application-and-requirements>.

When applying to the Sector Counsellor you need to provide an assessment of your eligibility for the programme based on the requirements stated by AAU. Please fill in the *Assessment of eligibility form* (Annex B) and send along with your application.

Aalborg University (AAU):

Degree programmes offered at AAU are problem and project-based with an interdisciplinary focus and a real-world approach. AAU promotes strong interplay between staff and students and intense collaboration with public and private sector.

AAU has three campuses, and this Master's programme is situated in Esbjerg, a seaport town on the west coast of Jutland. Esbjerg is considered the leading port in Europe when it comes to wind power shipping.

More Information:

To find out more about this programme:

<https://www.en.aau.dk/education/master/sustainable-energy-engineering>.

To find out more about AAU:

<https://www.en.aau.dk/>.

Deadline for submission of scholarship application to the Sector Counsellor is

August 16th 2018

Kindly send to Jørgen Larsen (joelar@um.dk) and Malepile Moseki (malmos@um.dk).



MSc in Urban, Energy and Environmental Planning

Aalborg University,
Aalborg

2 years
120 ECTS

Application deadline: March 1 2019
Programme start: September 2019

Programme Introduction:

Urban, Energy and Environmental Planning in Aalborg is the education for you if your ambitions are e.g. to address the future transportation challenges, make Denmark the first country supplied by 100 % renewable energy, make Danish and international companies environmentally responsible, work with the challenges for future urban planning such as ghettos or climate changes.

The MSc programme in Urban, Energy and Environmental Planning is offered at Aalborg University in Aalborg. It is an internationally oriented programme and therefore all teaching will be in English.

You can choose between the following specialisations:

- Cities and Sustainability
- Environmental Management and Sustainability Science
- Sustainable Energy Planning and Management
- Urban Planning and Management

Programme Specific Requirements:

Kindly find all information about admission requirements for this specific Master's programme through the programme's website:

<https://www.en.aau.dk/education/master/urban-energy-and-environmental-planning>.

When applying to the Sector Counsellor you need to provide an assessment of your eligibility for the programme based on the requirements stated by AAU. Please fill in the *Assessment of eligibility form* (Annex B) and send along with your application.

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Aalborg is Denmark's fourth largest city situated in the Jutland region of Denmark. According to Aalborg itself, it is "just like a big city – only more pleasant!"

More Information:

To find out more about this programme:

<https://www.en.aau.dk/education/master/urban-energy-and-environmental-planning>.

To find out more about AAU:

<https://www.en.aau.dk/>.

Deadline for submission of scholarship application to the Sector Counsellor is

August 16th 2018

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MSc in Wind Energy

Technical University of
Denmark, Lyngby

2 years
120 ECTS

Application deadline: January 15 2019
Programme start: September 2019

Programme Introduction:

DTU is one of the few universities in the world to offer a complete two-year MSc programme in wind energy.

In recent years, wind energy has become an important source of electricity production, and since wind energy contributes to reducing CO₂ emissions, this is regarded as a very positive trend. Wind energy is expected to cover 12 percent of the global power consumption in 2020, with the number of employees in the wind industry reaching two million. In Denmark, wind energy already constitutes more than 30 percent of the total energy production, but is expected to increase over the next years.

DTU has been involved in research and education since the 1970s, offering an MSc Wind Energy programme since 2002. Lecturers on the Wind Energy programme are elite researchers from DTU specializing in wind energy, as well as experts and engineers from the wind turbine industry. You will gain access to state-of-the-art research and technology as well as extensive knowledge of aerodynamics, aero elasticity, mechanics, grid connection, and electrical engineering.

Programme Specific Requirements:

Kindly find all information about admission requirements for this specific Master's programme through the programme's website: http://www.dtu.dk/english/education/msc/programmes/wind_energy#prerequisites.

When applying to the Sector Counsellor you need to provide an assessment of your eligibility for the programme based on the requirements stated by DTU. Please fill in the *Assessment of eligibility form* (Annex B) and send along with your application.

Technical University of Denmark (DTU):

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More Information:

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To find out more about DTU:
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