



Deutscher Akademischer Austauschdienst
German Academic Exchange Service



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Master's degree



Energy and Environmental Management in Developing Countries

Europa-Universität Flensburg • Flensburg



Overview

Degree	Master of Engineering ("Wirtschaftsingenieurwesen" / Industrial Engineering)
In cooperation with	Hochschule Flensburg
Teaching language	<ul style="list-style-type: none">English
Languages	Courses are held in English.
Full-time / part-time	<ul style="list-style-type: none">full-time
Programme duration	4 semesters
Beginning	Winter semester
Application deadline	Online application for admission and DAAD scholarship (only applicants from DAC countries): 31 July at Flensburg University; one year before the start of the programme. Application for admission without DAAD scholarship: 10 December at Flensburg University. Please note that current deadlines can be found on the website: https://www.uni-flensburg.de/en/eem/admission/when-do-i-have-to-apply/ .
Tuition fees per semester in EUR	None
Combined Master's degree / PhD programme	No
Joint degree / double degree programme	No
Description/content	Energy and Environmental Management (EEM) has two fields of specialisation: "Industrialised Countries" and "Developing Countries" (formerly SESAM). The "Developing Countries" specialisation focuses on three subject areas and is related to the energy transformation and to sustainable energy access in countries of the Global South:

- Renewable energy and its integration in energy systems
- Energy management and project management
- Energy systems and energy planning

A preparation semester qualifies all EEM students in economics, and it adds competences in research methods and the German language.

The compulsory modules on "Sustainable Energy Systems" and "Environmental Economics" are offered for students of both study branches. They deliver basic knowledge and understanding of the macroeconomic interrelation of environmental and energy-related problems. All other modules are tailor-made for the students of the two branches.

Basic skills in planning and overseeing of development projects are taught in two compulsory modules on "Project Management in International Development Cooperation" and "Diversity Management in International Development Cooperation". An optional module on "International Organisations and Development Strategies" allows students to specialise.

During the course of studies, students can choose between modules on "Sustainable Energy Systems", "International Energy Markets" and "Energy and Environmental Policy" as electives.

In the subject area of engineering, students have to pass two compulsory modules on energy planning: "Sustainable Energy Planning in Rural Areas" and "Applied Informatics in Energy Planning".

Students have to select two further engineering modules from among the three modules on "Renewable Energy 1 and 2" and "Python Programming".

Many modules use problem-based learning as an educational model, which allows students to specialise according to their individual interests and the needs of their home countries and their professional careers.

After successful completion of all modules, students take part in an "International Class", a five-week field research project abroad. The "International Class" allows students to work in a multidisciplinary team on a development-oriented problem of sustainable energy use. It allows students to apply their knowledge in engineering, economics and social sciences and thereby deepen their methodological skills in planning sustainable energy systems.

The "International Class" also prepares students for the challenges of their Master's theses. The thesis can be based on and supplemented with an internship and is most often carried out in cooperation with a company or a host institution in the students' home countries.

Course Details

Course organisation

Organisation of the specialisation "Developing Countries":

Pre-semester (autumn)

- Economics
- Scientific methods
- German language course

First semester (spring)

Compulsory courses:

- Applied Informatics in Energy Planning (5 CP)
- Sustainable Energy Planning in Rural Areas (5 CP)
- Sustainable Energy Systems (5 CP)
- Diversity Management (5 CP)

Core elective courses:

- Renewable Energy 1 and 2 (5 or 10 CP)

- Python programming for energy modelling (5 CP)
- Sufficiency (5 CP)

Second semester (autumn)

Compulsory courses:

- Environmental Economics (5 CP)
- Project Management (Core elective, 5 CP)
- International class (10 CP)

Core elective courses:

- International Energy Markets (5 CP)
- International Organisations and Development Strategies (5 CP)
- Green Entrepreneurship (5 CP)
- Energy and Environmental Policy (5 CP)

Third semester (spring)

Field research / internship, Master's thesis and defence

A Diploma supplement will be issued	Yes
Certificates for specific modules are awarded	Yes
International elements	<ul style="list-style-type: none"> • International guest lecturers • Specialist literature in other languages • Language training provided • Training in intercultural skills • Study trips • Projects with partners in Germany and abroad • International comparisons and thematic reference to the international context
Description of other international elements	Integration with international alumni activities and professional development
Special promotion / funding of the programme	<ul style="list-style-type: none"> • DAAD development-related postgraduate course
Course-specific, integrated German language courses	Yes
Course-specific, integrated English language courses	No

Costs / Funding

Tuition fees per semester in EUR	None
Semester contribution	Students must pay a matriculation fee of 25 EUR when enrolling plus a semester contribution each semester, both paid to the Studentenwerk. The semester contribution fee may vary (for exact

amount please click [here](#), tab semester re-enrolment). This fee covers some expenses of the Studentenwerk, the student administration (AStA) and the public transport within the state of Schleswig-Holstein and the city of Hamburg.

Costs of living

The cost of living is generally a bit lower than in major German cities. A budget of 800 to 900 EUR per month should cover the basic cost of living, including rent.

Concerning EEM

Cost of excursions: During the first two semesters, students will participate in several excursions. The total cost of these excursions is approx. 500 EUR. We will apply to receive funding for the excursions, but it can't be guaranteed that our application will be approved.

Cost of "International Class":

Participation in the compulsory five-week International Class costs about 1,200 to 1,400 EUR, depending on the location and size of the student group. This includes the entire cost of transport, accommodation, and food. While participating in the International Class, you don't need to find accommodation in Flensburg. For DAAD scholarship holders, we will apply for DAAD funding, but it can't be guaranteed that our application will be approved.

Funding opportunities within the university

Yes

Description of the above-mentioned funding opportunities within the university

The Europa-Universität Flensburg (EUF) participates in the "Deutschlandstipendienprogramm".

<https://www.uni-flensburg.de/en/academics/financing/scholarships-and-financial-aid/the-deutschlandstipendium>

Requirements / Registration

Academic admission requirements

Academic admission requirements include an above-average Bachelor's or equivalent university degree in Engineering after a minimum of four years of studies and proof of successful completion of the pre-semester.

Professional experience of at least two years in a field related to the course focus is required.

Applicants must successfully complete an online admission interview.

Language requirements

All students must provide proof of proficiency in the English language (TOEFL iBT score 80, TOEFL iBT® Special Home Edition, IELTS Band 6 [in all categories], IELTS Indicator or Cambridge Certificate FCE). Native speakers of English are exempted.

Application deadline

Online application for admission and DAAD scholarship (only applicants from DAC countries): 31 July at Flensburg University; one year before the start of the programme.
Application for admission without DAAD scholarship: 10 December at Flensburg University.

Please note that current deadlines can be found on the website: <https://www.uni-flensburg.de/en/eem/admission/when-do-i-have-to-apply/>.

Submit application to

Energy and Environmental Management in Developing Countries (EEM)
Munketoft 3 B
24937 Flensburg
Germany

Services

Accommodation

The "Studentenwerk Schleswig-Holstein" offers accommodation in three halls of residence in Flensburg. The rent for a furnished single room in a student residence is in the range of 200-295 EUR per month. All halls of residence offer self-catering accommodation with shared kitchen and cooking facilities. Two of the student halls of residence provide free Internet access via Wi-Fi.

<https://studentenwerk.sh/en/live-overview>

Apart from the student halls of residence, private landlords offer rooms and flats in town at rates lower than in many major cities. The rental market is increasingly under pressure.

Help with finding accommodation, jobs and a lot of other personal support for all phases of your studies can be found here: <https://www.uni-flensburg.de/en/international/coming-to-flensburg/international-students>.

Career advisory service

Faculty members offer guidance for career choices and are happy to discuss personal qualifications and motivations, while drawing on a large and active alumni base.

Support for international students and doctoral candidates

- Welcome event
- Tutors
- Cultural and linguistic preparation
- Visa matters
- Pick-up service
- Support with registration procedures

General services and support for international students and doctoral candidates

In the Mentor Family Programme, Flensburg families "adopt" EEM students for the duration of the programme and some time beyond. Mentor families make social life and cultural experiences easier, and they also provide other assistance.

Supervisor-student ratio

One faculty member for 2-3 students



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Asutosh Nayak MEng

EEM gives the right foundation to develop careers in devising strategies, energy models, business models and policy advocacy and to contribute to meeting energy demands and mitigating environmental issues. EEM gives the confidence and the skills to deal with the main actors of society in decarbonising the energy system in an effective manner. The course content is meticulously designed to educate students using the method of learning by doing.



MEng in Energy and Environmental Management (EEM) at the University of Flensburg

Do you want to fight climate change and energy poverty? Do you want to manage sustainable energy systems? Study in the programme Master of Engineering in Energy and Environmental Management (Industrial Engineer / WirtschaftsingenieurIn) at Europa-Universität Flensburg.

» more:
https://www.youtube.com/watch?v=mWR8F_3ia1U

Europa-Universität Flensburg

Situated in the German-Danish border region, Germany's northernmost university is a young university. Founded in 1946 by the British, it was awarded university status in 2000. Since 2014, it has been known as "Europa-Universität". In 2017, the EUF adapted its semester times to correspond with international semester times: In the spring semester, the lecture period runs from March to June; in the fall semester, it runs from September to December. With around 6,300 students, it is a comparatively small university. Young people from around 90 nations study on the Flensburg campus.

The main study programmes focus on educational science and interdisciplinary European studies as well as on environmental sciences / sustainable development.

The location in the border region is ideal for a university with a mission to live the European dream of intercultural encounters and explore its reality. For almost 30 years, Europa-Universität Flensburg and Danish Syddansk Universitet have been working closely together. Their double degree courses in economics offer students the opportunity to obtain degrees from both universities simultaneously.

The region is characterised by beaches, wind, and the sea. Situated directly on the fjord, with its impressive old buildings, low rent, a lively cultural scene, and close proximity to Scandinavia, Flensburg offers excellent living and studying conditions.



University location

The city of Flensburg is characterised by its waterside location and by the immediate proximity of its neighbouring country, Denmark.

Located at the northernmost point in Germany, the city of Flensburg is the gateway to Scandinavia. It is only a few miles drive to the Danish border; the Kingdom of Denmark is located even closer to Flensburg than Husum or Kiel, and it can actually be seen from the beach at Wassersleben.

The campus is located about two kilometres from the city centre. Approximately one in ten residents of Flensburg is enrolled at Europa-Universität Flensburg or at the University of Applied Sciences. This is particularly noticeable during the summer months, when there is a lively atmosphere in this university town. As soon as the cold days are over and the last lectures have ended, students meet at the beach or at "the place to be" in the harbour, the "Hafenspitze".

Whether it's the reflecting water, the sail boats rocking gently in the waves, the sunset, or the fact that there is always someone you know - everyone likes the heart of Flensburg.

Away from the water, Flensburg's historical city centre and its identity, developed over many centuries, is one of the landmarks of the city. Spared attacks in times of war, Art Nouveau style houses and old villas can be found everywhere in the city. Its small streets are home to cafés, numerous courtyards, rum producers, a wide pedestrian zone, harbour pubs, and several beaches.

Contact

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Energy and Environmental Management in Developing Countries

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🌐 Course website: <https://www.uni-flensburg.de/eem/>

📘 <https://www.facebook.com/EuropaUniFlensburg/>

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International Programmes in Germany - Database

www.daad.de/international-programmes
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Editor

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Disclaimer

The data used for this database was collected and analysed in good faith and with due diligence. The DAAD and the Content5 AG accept no liability for the correctness of the data contained in the "International Programmes in Germany" and "Language and Short Courses in Germany".

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