



Deutscher Akademischer Austauschdienst
German Academic Exchange Service



Table of Contents

Master's degree	2
Sustainable Energy and Development (SEDev) • Europa-Universität Flensburg • Flensburg	2

Master's degree



Sustainable Energy and Development (SEDev)

Europa-Universität Flensburg • Flensburg



Overview

Degree	Master of 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
Additional information on beginning, duration and mode of study	The programme takes place on a full-time basis, is held on campus and starts with a mandatory preparatory semester on 1 September. Two main semesters with lectures and seminars begin on 1 March, followed by an international excursion to a community energy project. During the last semester, students work on their Master's theses, often in combination with an internship. The programme ends after two years with final exams and a graduation ceremony.
Application deadline	<p>Online application for admission with DAAD scholarship (only applicants from countries that are members of the Development Assistance Committee [DAC]): 31 July at Europa-Universität Flensburg; one year before the start of the programme</p> <p>Please note that DAAD scholarships can only be awarded after the programme itself has undergone a successful reapplication process for the DAAD EPOS (Development-Related Postgraduate Courses) programme (August 2024).</p> <p>Application for admission without DAAD scholarship: 10 December at Europa-Universität Flensburg</p> <p>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/.</p>
Tuition fees per semester in EUR	None

Combined Master's degree / PhD programme	No
Joint degree / double degree programme	No

Description/content	<p>Meeting the challenges of climate change and energy poverty with energy transformation is in the focus of the Sustainable Energy and Development Master's programme. In the SEDev programme, we address universal access to affordable, reliable and renewable energy systems primarily in countries of the Global South. Our mission is to help enabling sustainable social and economic development through higher education.</p> <p>Sustainable energy systems for social and economic development are therefore the focus of the 24-month Master's programme. The programme leads to the degree of a Master of Engineering while students learn modern engineering, innovative management and important social skills.</p> <p>Graduates of the SEDev contribute to sustainable social and economic development by initiating, planning and managing the transformation of energy systems in societies. They provide equitable solutions for modern energy services and empower communities to engage in decision-making and change processes. Their professional skills help support and guide companies, governments and NGOs worldwide.</p> <p>Problem-based learning techniques are applied to meet the challenges of increasing complexity and the constantly advancing technologies. This results in highly efficient learning directed toward the real-world application of the learning outcomes.</p> <p>A preparation semester in autumn will supplement the students' qualification within economics, research methods, and academic writing. A German language course is offered accompanying the course.</p> <p>The programme combines two important areas of sustainable energy: the integration of renewable energy sources in complex systems and the implementation of sustainable energy systems. Energy systems modelling and energy planning embrace engineering aspects of the transition towards sustainable energy systems. Economics, project management, financial and market analysis explore the economic facets of making this transition happen.</p> <p>Core modules in the two main semesters combine mandatory lectures and seminars with programme-specific teaching, a good selection of elective courses, and a project unit. In "Analysis and Complexity of Energy Systems", programming and systems modelling are combined with renewable energy technologies. Additional modules on applied geoinformatics for energy planning and international development cooperation complement this. In "Sustainable and Just Energy System Solutions", several areas of social science and economics are combined with project work in the field of energy justice and climate action, emphasising the implementation of sustainable energy projects. Further modules include energy market analysis and project management. An international community energy project with partner organisations abroad is the focus of a five-week field research project under real-world conditions. In cooperation with rural communities, students deepen their methodological competencies in consultancy work and in planning sustainable energy systems.</p> <p>The last five months of the programme are assigned to the Master's thesis, in combination with an internship in a company, an international organisation, or a research institution. The Master's thesis is closely oriented towards the requirements of the labour market, and it may provide an excellent basis for future careers of SEDev graduates.</p>
----------------------------	-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

Course Details

Course organisation	Preparatory course semester (autumn)
	<ul style="list-style-type: none"> • Micro- and Macro Economics • Business Economics and Administration

- Scientific Methods
- Energy Modelling and Simulation
- German language course

First semester (spring)

- Analysis and Complexity of Energy Systems (15 CP core module)
- Sustainable Energy Access Planning (5 CP)
- Organisations and Diversity in Development Cooperation (5 CP)
- Technical elective (5 CP)

Second semester (autumn)

- Sustainable and Just Energy System Solutions (15 CP core module)
- Markets and Project Management (5 CP)
- International Community Energy Project (5 CP excursion)
- Technical elective (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 • Projects with partners in Germany and abroad • International comparisons and thematic reference to the international context • Courses are led with foreign partners
Description of other international elements	Integration with international alumni activities and professional development
Diverse intercultural background of students	SEDev and its predecessor programmes have attracted students from about 70 countries in the past 35 years. Each batch is composed of students from different engineering disciplines such as electrical, electronic, mechanical, mechatronic, civil, chemical or environmental engineering. Students have work experience from different sectors, public or private, local or international. They have their origin in Asia, Africa or Latin America, and they contribute with diverse cultures and beliefs.
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	There is a student fee of 276.90 EUR per semester. The fee includes the services of the "Studentenwerk Schleswig-Holstein" (providing students with student prices at the cafeteria, activities and free psychological counselling), the AStA (providing free activities organised by the Student Union) and AktivBus. The semester ticket entitles the holder to free public bus/train transportation in Hamburg and within the state of Schleswig-Holstein, where Flensburg is located.
Costs of living	<p>The cost of living is generally a bit lower than in major German cities. A budget of 800 to 1,000 EUR per month should cover the basic cost of living, including rent. See this link for more information.</p> <p>Cost for the mandatory excursion "International Community Energy Project": Participation in the compulsory five-week excursion costs about 1,500 to 1,800 EUR, depending on the location and size of the student group. This includes the entire cost for visa, transport and accommodation.</p> <p>For DAAD scholarship holders, we will apply for DAAD funding, but we cannot guarantee that our application will be approved.</p>
Funding opportunities within the university	Yes
Description of the above-mentioned funding opportunities within the university	<p>The Europa-Universität Flensburg (EUF) participates in the "Deutschlandstipendienprogramm".</p> <p>https://www.uni-flensburg.de/en/academics/financing/scholarships-and-financial-aid/the-deutschlandstipendium</p>

Requirements / Registration

Academic admission requirements	<p>Academic admission requirements include an above-average Bachelor's or equivalent university degree in engineering after a minimum of seven semesters of studies and proof of successful completion of the preparatory semester.</p> <p>Professional experience of at least two years in a field related to the course focus is required.</p> <p>Shortlisted applicants must successfully complete an online admission interview.</p>
Language requirements	<p>All students must provide proof of proficiency in the English language (minimum B2, i.e. TOEFL iBT score 80, TOEFL iBT® Special Home Edition, IELTS Band 6 (in all categories), IELTS Indicator or Cambridge Certificate FCE).</p> <p>Note: A certificate that English was language of instruction is not sufficient for admission. Applicants from English-speaking countries are exempted.</p>
Application deadline	<p>Online application for admission with DAAD scholarship (only applicants from countries that are members of the Development Assistance Committee [DAC]): 31 July at Europa-Universität Flensburg; one year before the start of the programme</p> <p>Please note that DAAD scholarships can only be awarded after the programme itself has undergone a successful reapplication process for the DAAD EPOS (Development-Related Postgraduate Courses) programme (August 2024).</p> <p>Application for admission without DAAD scholarship: 10 December at Europa-Universität Flensburg</p>

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 Sustainable Energy and Development
Munketoft 3 B, MAD 002
24937 Flensburg
Germany

Services

Accommodation

The "Studentenwerk Schleswig-Holstein" offers accommodation in several halls of residence in Flensburg. The rent for a furnished single room in a student residence is in the range of 260 to 350 EUR per month. All halls of residence offer self-catering accommodation with shared kitchen and cooking facilities. All 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
- Help with finding accommodation

General services and support for international students and doctoral candidates

In the Mentor Programme, citizens from Flensburg and nearby welcome SEDev students for the duration of the programme and some time beyond. Mentors make social life and cultural experiences easier, and they also provide other assistance as well.

Supervisor-student ratio

One faculty member for three to four students



©Asutosh Nayak

Asutosh Nayak MEng

Sustainable Energy and Development 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. SEDev 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 Sustainable Energy and Development 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 Master of Engineering in Sustainable Energy and Development programme at Europa-Universität Flensburg.

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

Europa-Universität Flensburg

The origins of the university date back to 1946. Today Europa-Universität Flensburg is a small, young university with approximately 6,000 students. It is innovative and international, offering programmes in different fields of education science and management. The compact campus and the size of the university allow students direct and easy personal contact to both lecturers and administrative staff. The campus, which the university has shared with the Flensburg University of Applied Sciences since 2002, offers all the facilities expected of a modern university, including student accommodation.

The Sustainable Energy and Development Master's (SEDev) is managed by the Department of Energy and Development. Part of the Interdisciplinary Institute for Environmental, Social and Human Studies, it has interdisciplinarity and out-of-the-box thinking in its genes. The SEDev Master's follows a long tradition of development-oriented energy studies that date back into the 1980s. Run in cooperation with the university and the Flensburg University of Applied Sciences, the Sustainable Energy Master's with its three specialisations of "Transition", "Development" and "Engineering" makes use of the rich research environment and expertise at the heart of the energy transition, which has been pioneered in this region. With its association to the new Centre for Research in Sustainability and Transformation, CREST, SEDev has a strong and broad scientific basis to a wealth of active researchers.



University location

Flensburg, with its over 90,000 inhabitants, is located in the very North of Germany, in Schleswig-Holstein. Being Germany's northernmost city, Denmark is right across the border. Flensburg is an open-minded and tolerant city, with a rich cultural diversity. Everything is in walking distance, easily accessible and straightforward.

Contact

Europa-Universität Flensburg
Energy and Development

Eva-Maria Kuntzmann

Munketoft 3b
24937 Flensburg

✉ sedev@uni-flensburg.de

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

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

Last update 21.12.2024 13:30:13

International Programmes in Germany - Database

www.daad.de/international-programmes

www.daad.de/sommerkurse

Editor

DAAD - Deutscher Akademischer Austauschdienst e.V.

German Academic Exchange Service

Section K23 – Information on Studying in Germany

Kennedyallee 50

D-53175 Bonn

www.daad.de

GATE-Germany

Consortium for International Higher Education Marketing

www.gate-germany.de

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".

The publication is funded by the German Federal Ministry of Education and Research and by contributions of the participating German institutions of higher education.



Federal Ministry
of Education
and Research