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Energy and Environmental Management in Developing Countries (M.Eng.)

🔊 Listen

Note: New semester term periods at the entire Europa-Universität starting September 2017. - [Read more!](#) (German only)

Key facts

- › Academic qualification: Master of Engineering in Energy and Environmental Management (Industrial Engineer/WirtschaftsingenieurIn)
- › Course contents:
 - › Business Economics and Energy Economics
 - › Project Management
 - › Renewable Energy and Energy Planning
- › Institute: [Interdisciplinary Institute for Environmental-, Social- and Human Studies](#)
- › Head of department: Prof. Dr. Bernd Möller
- › Regular duration of study: 18 months plus 6 month pre semester.
- › Language of instruction: English
- › Commencement of studies: April (summer semester)
- › Admissions (max.) / numerus clausus:
 - › all information can be found on [this website](#)
 - › whether any [restrictions](#) are imposed on admission, will be decided for each application period separately
- › Tuition fees: no tuition fees, but [enrolment and semester fees](#)

Profile

The objective of the study course is to qualify students for employment as professionals in the energy sector. More specifically the course qualifies students:

- › to recognise and analyse energy and environmental problems,
- › to facilitate and manage the process of sustainable problem solving.

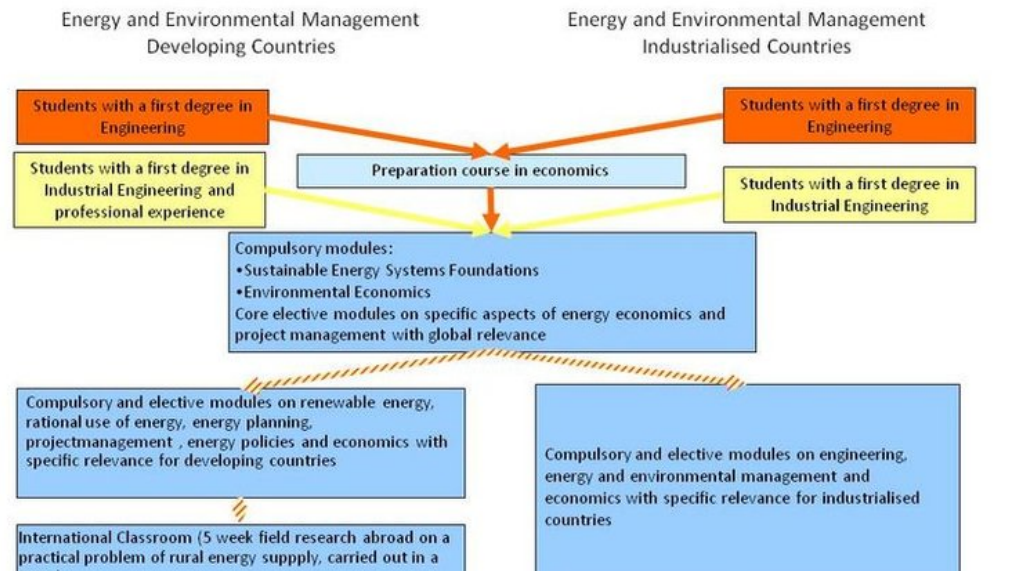
Apart from the subject-oriented competencies the course focuses on key qualifications such as:

- › the ability to recognise problems and solutions in their entirety,
- › creativity and openness to innovation,
- › the ability to think and communicate in interdisciplinary and intercultural ways,
- › the ability to work in teams, to lead and to motivate teams.

Accreditation

Accredited by ASIIN (Akkreditierungsagentur für Studiengänge der Ingenieurwissenschaften, der Informatik, der Naturwissenschaften und der Mathematik e.V.)

Programme Structure



Explanation

The specialisation Energy and Environmental Management in Developing Countries is made up of three subject areas:

- » Business Economics and Energy Economics
- » Project Management
- » Renewable Energy and Energy Planning

1. Business Economics and Energy Economics:

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

2. Project Management:

Basic competencies in planning and steering of development projects are taught in two compulsory modules on "Project Management in International Development Cooperation". Optional modules on "International Organisations and Development Strategies" and "Quality Management in Projects" allow students to specialise.

3. Engineering:

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". All students have to select two further engineering modules among the four modules "Renewable Energy I", "Renewable Energy II", "Rational Use of Energy" and "Minigrids". This allows students to specialise according to individual interests and the needs of their home countries.

4. International Class:

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

The "International Class" also prepares students for the challenges of their 3 months individual field research which provides the basis for their Master Thesis.

5. Preparation Modules:

Students with a technical engineering degree have to participate in a preparation module on economics before they can be admitted. During the course of studies these students have to pass a further compulsory module on "Economics and Business Studies" while students with a degree in Industrial and Business Engineering can choose between modules on "Shaping Sustainable Energy Systems", "Trading Energy", "External Costs of Energy" and "Energy and Environmental Policy".

Career opportunities

The course of studies leads to the degree of a Master of Engineering in Energy and Environmental Management

(Industrial Engineering). This degree entitles its holder to the professional title of "Wirtschaftsingenieurin" or "Wirtschaftsingenieur" which is legally protected in Germany.

The programme qualifies professionals to work in key positions of the energy industry, governments, NGOs and International Organisations. To take into account the different situation and the specific objectives of sustainable development in industrialised and in developing countries the programme offers two branches of specialisation: "Energy and Environmental Management in Industrialised Countries" and "Energy and Environmental Management in Developing Countries". Both specialisations offer a thorough training in energy and environmental economics, energy technology and energy management.

Doctorate

A doctoral thesis under individual supervision may be pursued after successful completion of the M.A.

Info and support

- › [Student Guidance and Counseling Service](#)
- › Specialist counseling: [Herr Dipl. Ing. Wulf Boie](#)
- › [Admission Office](#)
- › [Registrar's Office](#)

Internships

- › [CampusCareer](#)

Going abroad

- › You'll find all information about going abroad on [this](#) website.

Additional links

- › [AStA](#) (Allgemeiner StudierendenAusschuss)

Would you like to apply?

You'll find all information about application, admission and requirements on [this](#) website. Please note that most of the information is only available in German.