



## Facts and figures

**Start:** Winter semester  
**Duration:** 3 semesters  
**Degree:** Master of Science  
**Language:** English  
**Admission restricted**  
 Fee-based

## Application and enrolment



### Admission requirements

**General admission requirements:**  
[www.uol.de/stud/558en](http://www.uol.de/stud/558en)

**Language skills:**  
 English native speaker or level B2

### Application

**Application deadline:** 15 April

### German university degree:

Online application directly to EUREC  
[www.master.eurec.be/how-to-apply](http://www.master.eurec.be/how-to-apply)

### EU or international applicants:

[www.master.eurec.be/how-to-apply](http://www.master.eurec.be/how-to-apply)

## Contact

**For questions about the subject/degree programme**  
**Academic counselling for European Master in Renewable Energy**  
[www.uol.de/en/subject-specific-student-advice](http://www.uol.de/en/subject-specific-student-advice)  
[ppe@uol.de](mailto:ppe@uol.de)

**For questions about your studies**  
 Study and Career Counselling Service  
[www.uol.de/en/zskb](http://www.uol.de/en/zskb)

**Basic questions about application and enrolment**  
 Student InfoLine  
**Phone** +49 441 798 - 2728  
[study@uol.de](mailto:study@uol.de)

**Visitor address**  
 Student Service Centre – SSC  
 Haarentor campus, building A12  
 26129 Oldenburg  
[www.uol.de/en/students/service-advice](http://www.uol.de/en/students/service-advice)

## Further information

**Master in Renewable Energy website**  
[www.uol.de/en/eurec](http://www.uol.de/en/eurec)  
[www.instagram.com/ppre\\_uol/](https://www.instagram.com/ppre_uol/)  
[www.linkedin.com/company/postgraduate-programmes-renewable-energy](https://www.linkedin.com/company/postgraduate-programmes-renewable-energy)

**Degree programmes at the University of Oldenburg**  
[www.uol.de/en/students/degree-programmes](http://www.uol.de/en/students/degree-programmes)

**Financing your studies**  
[www.uol.de/en/students/fees/financing-your-studies](http://www.uol.de/en/students/fees/financing-your-studies)

**Optional period abroad**  
[www.uol.de/en/going-abroad](http://www.uol.de/en/going-abroad)

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Carl von Ossietzky  
**Universität  
 Oldenburg**

# European Master in Renewable Energy

**Master's degree**



# European Master in Renewable Energy (M. Sc.)

The aim of the European Master in Renewable Energy is to train post-graduate students to meet the growing demand on the employment market for specialist experts in the field of renewable energy. The three-semester Master's programme is designed for students who hold a degree in a Natural Science, Engineering Science or Mathematics with at least 210 credit points.

The European Master is coordinated by EUREC. EUREC is a research and development network of 45 research institutes and university schools working in the field of renewable energy.

The Master's programme is taught by a consortium of ten European universities. They offer either core semesters for basic knowledge or specialisation semesters. Students must study in two different countries. The University of Oldenburg is one of four core universities and responsible for the first semester. Students enrol at their core university, which also issues the pass certificate.

After graduation, students are capable of critically evaluating the role of renewable energy in the energy sector taking into account the aspects resources and climate. They can also draw on technical expertise on various renewable energy technologies.

## Career opportunities

The degree confers advanced technical and scientific expertise, and therefore qualifies students for a wide range of fields:

- Industry (engineer)
- Research centres
- Academic career (PhD)
- Consulting or research for governments or NGOs in international development cooperation projects

## Structure and contents

CORE MODULE		30 CP	SEMESTER 1
Compulsory modules			
Fundamentals of Renewable Energy / 6 CP			
Physical Principles of Renewable Energy Converters / 6 CP			
Energy Resources and Systems / 6 CP			
Renewable Energy Technologies / 12 CP			SEMESTER 2
SPECIALISATION		30 CP	
Elective module of a focus area			
Photovoltaics (University of Northumbria, Newcastle, Great Britain)			
Wind energy (NTU Athens, Greece)			
Grid Integration (University of Zaragoza, Spain)			
Solar Thermal Energy and Associated Renewable Storage (University of Perpignan, France)			
Marine Energy (IST Lisbon, Portugal)			SEM. 3
Sustainable Energy Sources for Mobility (Hanze University of Applied Sciences, Groningen, Netherlands)			
COMPULSORY		30 CP	
Master's thesis module			90 CP
MASTER OF SCIENCE			

## Specialisation

During the core semester, students acquire a solid foundation in key renewable energy technologies and the socio-economic issues in this field. The core semester in Oldenburg is taught entirely in English.

The specialisation semester focuses on a particular technology. Theory courses are interspersed with practical work in laboratories and excursions. The following specialisations are available:

- Photovoltaics  
(University of Northumbria, Newcastle, Great Britain)
- Wind Energy (NTU Athens, Greece)
- Grid Integration (University of Zaragoza, Spain)
- Solar Thermal Energy and Associated Renewable Storage  
(University of Perpignan, France)
- Marine Energy (IST Lisbon, Portugal)
- Sustainable Energy Sources for Mobility (Hanze University of Applied Sciences, Groningen, Netherlands)

You can find more information on the specialisations, e.g. details of the curriculum, at [www.master.eurec.be](http://www.master.eurec.be).

In the final six months after completion of the specialisation, students gain practical experience during their Master thesis which they conduct in a company or a research institution.

In December, all students travel to Brussels to present the findings of their projects.