

Single-Subject Bachelor

Dual-Subject Bachelor

Master Degree ◀

Master of Education

PhD

► General information

Start: Winter semester
Duration: 4 semesters
Degree: Master of Science

► Application and enrolment

Admission requirements

1. Natural science or engineering degree (BSc/BEng passed with at least upper second).
2. Professional experience with respect to energy and/or rural development will increase chances of being accepted, but it is not a must for non-DAAD students.
3. English: TOEFL 81; IELTS academic 6.0; Cambridge C1 or certificate that English was the medium of instruction (native speakers are exempted).
4. All applicants have to apply online and upload all their documents.

For further information regarding admission requirements (e.g. language requirements) and the admission application, please refer to the Admission Regulations.

Application

With German university entrance certificate:
Please apply directly under www.uol.de/en/ppre

European or international applicants:
Please apply online via uni-assist.

Detailed information regarding the application, deadlines and contact information can be found here:
www.uol.de/en/ppre

► Your contact persons

For enquiries regarding the degree programme/subject

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General advice regarding studies

Study and Career Counselling Service - Zentrale Studien- und Karriereberatung

Application procedures / Entry requirements

Registrar's Office - Immatrikulationsamt

StudierendenServiceCenter
Campus Haarentor A12
26129 Oldenburg
0441-798-2728
studium@uol.de
www.uol.de/en/students/service-advice

► Further Information

Homepage Sustainable Renewable Energy Technologies

www.uol.de/en/ppre

Courses of Study

www.uol.de/en/students/degree-programmes

Funding

www.uol.de/studium/finanzierung

Imprint

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Sustainable Renewable Energy Technologies (M.Sc.)

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Sustainable Renewable Energy Technologies (M.Sc.)

The Sustainable Renewable Energy Technologies (SuRE) Master Programme – formerly known as Postgraduate Programme in Renewable Energy (PPRE) – has been offered by the Institute of Physics, University of Oldenburg since 1987. Over 560 students from about 90 countries (particularly from Africa, Asia, Central and South America, but also from Germany and other industrialised countries) have successfully completed this 24 month degree programme. SuRE teaches a broad fundament in renewable energy. It is designed for scientists and engineers intending to pursue a professional career in this field. Students study the theory and applications of renewable energy systems, test their skills in labs and outdoor experiments, visit companies and sites, and do an external training in industry or research institutes.

The programme has cooperation agreements with universities abroad with the aim of intensifying the exchange of staff, students and curricula in the field of postgraduate renewable education.

► Programme structure and content

During the four semesters of the MSc programme, 120 credit points (CP) can be achieved.

SuRE is a fulltime study programme. Applications are only possible for the winter semester, where classes start in early October every year. After successful completion of all modules (incl. the module exams) and the six-month thesis project, students are awarded the MSc degree and receive certificates.

The complete programme is modularised and structured in regards to the rules of the European Credit Transfer System (ECTS).

The programme consists of the following modules:

| | |
|--|---------------|
| Physical Principles of Renewable Energy Converters | 6 CP |
| Fundamentals für Renewable Energy | 6 CP |
| Energy Resources and Systems | 6 CP |
| Solar Energy | 6 CP |
| Wind Energy and Storage | 6 CP |
| Sustainability of Renewable Energy | 6 CP |
| Renewable Energy Complementary Topics | 6 CP |
| Renewable Energy Systems Laboratory & Modelling | 6 CP |
| Wahlpflichtmodule / Spezialisierungen | 12 CP |
| Wind Energy | |
| Solar Energy | |
| System Integration of Renewable Energy | |
| Renewable Energy Project | 9 CP |
| Internship Module | 9 CP |
| Resilient Energy Systems | 6 CP |
| Water and Biomass Energy | 6 CP |
| Thesis Module | 30 CP |
| Total | 120 CP |

Winter semester (1st term)

In the first semester (October to January), the core courses (including lectures, seminars, labs, and an excursion) provide a solid foundation in the scientific principles of all renewable energy technologies as well as the basics in energy economics and energy meteorology.

Summer semester (2nd term)

In the second semester (April to July), students will deepen their knowledge in their chosen specialisation, sustainability of RE systems and RE systems labs.

Winter Semester (3rd term)

In the third semester (October to January), students will conduct an elaborate case study. A two-month external internship (in Germany or abroad) and an excursion through Germany will help to gain knowledge of real-life examples.

Summer semester (4th term)

The last semester (April to July) is dedicated to the final thesis project.

► Careers and areas of employment

Not only in Germany but also worldwide the chances of getting a job with a specialization in renewable energy are excellent. In addition, the market is increasing continuously. Also, German companies are more active internationally, which improves career perspective drastically. Currently, graduates of the Sustainable Renewable Energy Technologies Master Programme work in engineering as well as planning offices and research facilities. Moreover, there are possibilities to be part of international organizations and projects. Additionally, various alumni work independently.

Meanwhile, a world-wide internship and job market in the field of “Renewable Energy” has been developed – thanks to the international contacts and relations of the programme but also the active alumni network. Besides the students themselves, also graduates from the programme profit from this online market.