Build your own career in the emerging wind energy industry based on the online M.Sc. Wind Energy Systems.

Our lectures are experts in wind power and are based at the University of Kassel, Germany’s leading university in the field of sustainability, and at the Fraunhofer Institute for Energy Economics and Energy System Technology (IEE). In addition, we are a member of the mint.online educational alliance – a collaboration of universities and research institutes that has set itself the goal of educating tomorrow's experts in mathematics, computer science, natural sciences and technology with a focus on sustainability.

Prof. Dr.-Ing. habil. Detlef Kuhl
Wind Energy Systems Course Director
University of Kassel

Prof. Dr. Kurt Rohrig
Deputy Director Fraunhofer IEE

STUDY AT THE CUTTING EDGE OF WIND ENERGY RESEARCH

YOUR BENEFITS

- International master's program with 100% online teaching
- Part-time or full-time distance learning with courses in English language
- Extensive experience of both institutions in education and training in the field of renewable energies
- An unique insight into wind energy research
- Teaching by leading experts in the field of wind energy
- New job opportunities through engineering education in a booming occupational field
- Modern eLearning environment
- Participate in a project week in Germany
- Highly flexible choice of modules
- Solve the current and future challenges of wind energy development and take part in the worldwide increase of renewable wind energy

YOUR CONTACT PERSONS

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Study at any place and time
The Online M.Sc. Wind Energy Systems is an internationally oriented, English language master’s program with 100% online teaching that allows students to learn anytime, anywhere. This enables career jumpers and professionals to participate in academic training in the young research and business field of wind energy systems.

Online Learning and Teaching
Every module will be held online. We use the conference software Adobe Connect and the learning platform Moodle for teaching the modules, e.g. pdf-scripts, links, data files and videos. Learning activities are forums, tests, tasks, homework and assignments. Furthermore, we offer professional support from lecturers and mentors during the online lectures.

Student-oriented teaching and Project Phase
Methods and technological innovations are developed in problem-oriented learning alliances with industry and with a focus on practical examples close to Fraunhofer research projects. In addition, students are invited to a project week in Germany, where they have the opportunity to meet teachers, visit laboratories and companies in the wind energy sector in order to personally experience the famous German Energiewende.

A modular course structure
Students can choose from a selection of more than 20 modules. This number is divided into Fundamentals modules, two specialization modules and additional key competences modules.

A total number of 120 ECTS must be achieved in the master’s program. It is taught in English and online. The gained qualification is a Master of Science (M.Sc.).

The participants:
Natural scientists and engineers are the main target group of this master’s program that aims to educate specialists in relevant research and industry.

Duration:
The standard period of study is generally four (full-time) to seven (part-time) semesters.

Accreditation:
The master’s program Online M.Sc. Wind Energy Systems is successfully accredited by the agency ASIN.

Admission requirements:
Bachelor’s degree with at least 180 credits in a relevant natural/engineering science and at least one year’s work experience.

Tuition fees:
14,000 EUR (plus enrollement fee of approx. 140 EUR each semester)

Application:
Application deadline is 15 July.

Our participating teaching team is highly interdisciplinary
The University of Kassel has a long history of research in the areas of fundamentals, modelling, simulation and structural technology of wind energy systems. The lecturers of Fraunhofer IEE (Kassel) and IWES (Bremerhaven) are pioneers and leading experts in energy system technology for wind turbines. This enables students to gain a highly applicable qualification in the field of wind energy systems at an internationally recognized level.

Design your career with us!
Take the challenge of becoming a future expert in the field of wind energy. Our study program offers the opportunity to become a future-oriented expert on aspects such as:

- How to manage the technical or economic integration of a large amount of wind energy into the energy supplier system?
- How to design and develop innovative concepts for the single components of the wind energy converter system, such as the nacelle system, the rotor blade or the support structures?

Use this knowledge for a career in a wind park planning company or public institution or become an expert on a single component in the development department of one of the world’s leading producers.

A modular course structure
Specializations / Additive Key Competences
Simulation and Structural Technology or Energy System Technology
Master-Thesis (University, IEE or Industry)
Fundamentals of Mathematics and Engineering for Wind Energy Systems
Specializations in Wind Energy Systems:
Simulation and Structural Technology
Energy System Technology
Additive Key Competences
Fundamentals of Mathematics and Engineering for Wind Energy Systems
30 ECTS
30 ECTS
60 ECTS
30 ECTS

Unique Education Alliance
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