YOUR BENEFITS

- International master's degree program with 100% of online teaching
- Work and study simultaneously and balance your studying and family time
- Unique and experienced Education Alliance with the University of Kassel, Fraunhofer IWES and industrial partners
- Study at the cutting edge of applied research in wind energy
- Study with a problem-oriented focus and introduce your own professional input into the curriculum
- Qualify for PhD or choose to work afterwards in renowned international teams and projects
- Solve the current and future challenges of wind energy development and be part of the world-wide increase of renewable wind energy

ASIIN Akkreditierter Studiengang 2015-2019

Federal Ministry of Education and Research

European Union

Fraunhofer ACADEMY

www.academy.fraunhofer.de www.uni-kassel.de/wes




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Part Time Course of Study

ONLINE M.SC. WIND ENERGY SYSTEMS

Offered by

UNIKASSEL VERSITÄT

STUDY AT THE CUTTING EDGE OF WIND ENERGY RESEARCH

In 2014 as much wind power was installed like never before in the history. The extension climbed up on 51 GW worldwide. This is one reason why manufactures, service providers and evaluators are requested high qualified employers with specific skills in wind energy. The University of Kassel and the Fraunhofer Institute for Wind Energy and Energy System Technology (IWES) registered this development several years ago. Therefore the University of Kassel established a part-time master program for wind energy systems in scientific cooperation with Fraunhofer IWES. With our master program we would like to educate a worldwide student body to become qualified engineers for the growing job market of the wind energy sector.

Study at the cutting edge of research, anytime, anywhere, in order to solve the current and future challenges of wind energy!

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

Prof. Dr. Clemens Hoffmann
Director Fraunhofer IWES

wes.online

EDUCATING WIND ENERGY ENGINEERS ONLINE

Study any place any time

The Online M.Sc. in Wind Energy Systems is an internationally oriented, English-language master's degree program with 100% of online teaching, which allows the students to learn at any place and time. Therefore the master enables to work and study simultaneously and offers a good balance between studying and family time.

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. With these media, the studying and learning units of the program are flexible and independent from time and location. Furthermore we offer a professional support by lecturers and mentors during the online-based (self-)learning phases.

Student-oriented teaching

Methods and technology innovations will be developed problem-oriented in learning alliances with the industry and with a focus on practical examples close to Fraunhofer research projects. Concrete and practical basic modules and individual specialization modules are part of the student-oriented curriculum. Students can introduce their own professional input and ideas during the courses.

PROGRAM STRUCTURE

A modular course structure

The study program consists of a selection of more than 28 modules. The modules are self-contained learning units and include practical basic modules and two individual specialization modules.

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

Master-Thesis (University, IWES or Industry)	**30 ECTS**
Specializations / Additive Key-Competences	**60 ECTS**
Specializations: (1) Energy System Technology; (2) Simulation and Structural Technology. Minimum **30 ECTS** must be selected in one of the specializations	Additive Key-Competences
Fundamentals of Mathematic and Engineering for Wind Energy	**30 ECTS**

PROGRAM FACTS

The participants: Target groups for the master program Wind Energy Systems are engineers and bachelor's degree holders who wish to extend their knowledge in the field of wind energy.

Degree: Successful participants are awarded a Master of Science (M.Sc.) degree from the University of Kassel. The degree title is "M.Sc. in Wind Energy Systems". This degree qualifies for further postgraduate work towards PhD.

Accreditation: The master program Online M.Sc. in Wind Energy Systems is successfully accredited by the agency ASIIN.

Entry Requierements: The minimum entry requirements are a bachelor in a relevant natural/engineering science plus work experience of at least one-year. Career changers are very welcome.

Course fee: €14,000 (plus enrollment fee of ca. € 280 each semester)

Application: The program starts every year in October, application deadline is September 1st. Further details are described on the website: **www.uni-kassel.de/wes**

UNIQUE EDUCATION ALIANCE

The main objective of the master program for Wind Energy Systems is capacity building in the field of wind energy for research and industry with the experience of wind power research conducted by a unique education alliance: the University of Kassel, Germany's leading university for sustainability as well as the Fraunhofer Institute for Wind Energy and Energy System Technology, part of Europe's leading research institute Fraunhofer. The program also establishes learning alliances with industrial companies.

Design your career with us!

Take the challenge to become the future expert in the field of wind energy. Our study program gives the opportunity to become an expert for future leading aspects like:

- 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, like the nacelle system, the rotor blade or the support structures?

Use this knowledge for a career in a company for wind park planning or in a public entity or become an expert for a single component at the development department of one of the worldwide leading producers.