

Master of Science
and Diplomas of Advanced Studies

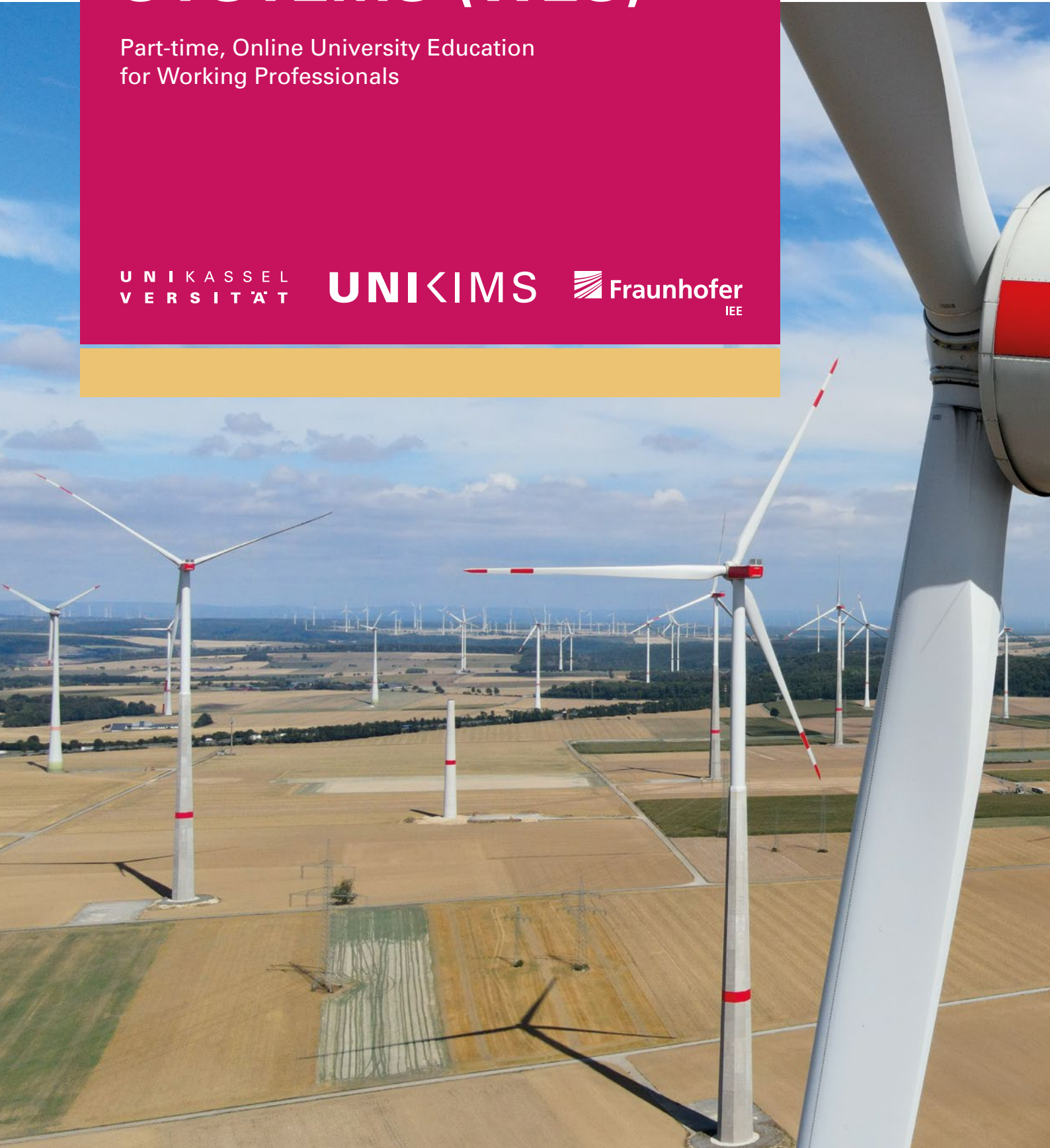
WIND ENERGY SYSTEMS (WES)

Part-time, Online University Education
for Working Professionals

UNIKASSEL
VERSITÄT

UNIKIMS

 **Fraunhofer**
IEE



ABOUT WES.ONLINE

WES.online provides a comprehensive, up-to-date curriculum covering the key aspects of wind energy systems. Foundational courses equip engineers, mathematicians, and technically skilled scientists with the core knowledge required for advanced training as wind engineers. Specialized modules build the expertise needed to excel in the challenges of the wind energy sector, combining technical and strategic insights to prepare graduates for success in the industry. Two program options are available: a full Master of Science with 120 ECTS and eight individual Diplomas of Advanced Studies with 30 ECTS each. The programs are designed for maximum flexibility. All credits earned in the diploma programs can be fully transferred to the Master of Science Wind Energy Systems, allowing diploma graduates to seamlessly transition to the full master's program if they choose to continue their studies. This structure enables students to tailor their education to their personal and professional needs while advancing their careers.

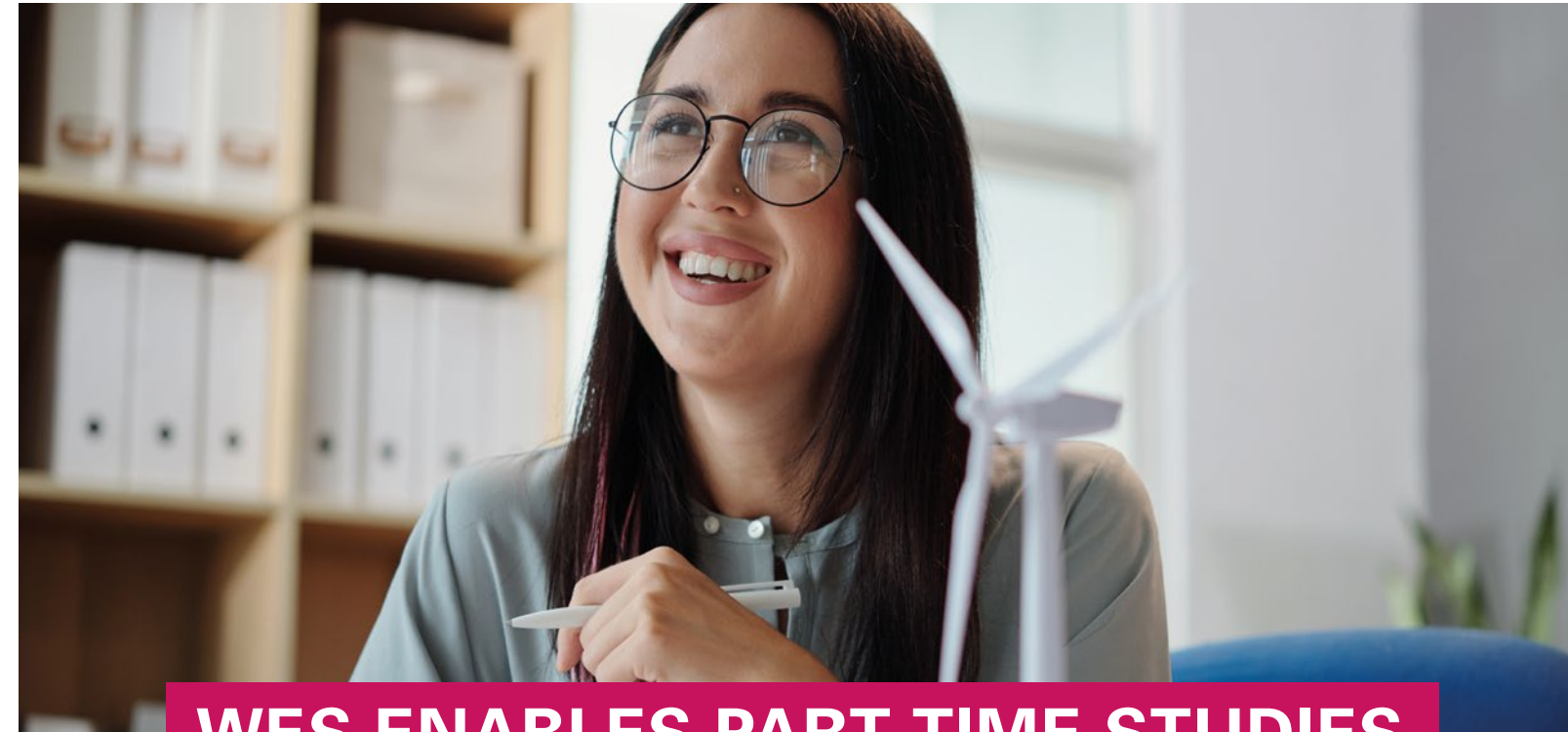
MASTER OF SCIENCE

The master's program covers a diverse range of topics encompassing all aspects of wind energy technology and its applications. This includes **in-depth exploration of wind turbine design, energy policy, grid integration, project management, computational methods**, and more. The curriculum offers a comprehensive education, combining the scientific and business aspects of wind energy to prepare students for leadership roles in the industry.

DIPLOMAS OF ADVANCED STUDIES

The eight individual diplomas offer a more focused education in specific topics of the wind energy sector. Currently, the following diplomas are available:

- + **Scientifically oriented fundamentals of Wind Energy Systems**
- + **Electrical engineering of Wind Energy Systems**
- + **Computational Wind Energy Systems**
- + **Integration of wind power in the electricity supply**
- + **Fluid mechanics of Wind Energy Systems**
- + **Structural mechanics of Wind Energy Systems**
- + **Wind energy converter systems**
- + **Autonomous wind energy production and supply**



WES ENABLES PART TIME STUDIES

The modular design of the master's and diploma programs offers greater flexibility, making them ideal for working professionals. With fully online classes and recorded sessions, students can manage their schedules more effectively. This remote learning setup enhances the distance learning experience, ensuring that course materials and lectures are accessible at any time.

BENEFITS FOR YOUR ORGANIZATION AND EMPLOYEES

In today's fast-paced and competitive environment, innovation is essential – not only in adopting the latest technologies but also in attracting and nurturing talent in a challenging labor market. The Master and Diploma Wind Energy Systems address both of these needs effectively.

These programs empower organizations to upskill dedicated employees and career changers to meet specific requirements. At the same time, offering such opportunities serves as a motivational tool for current staff and a compelling advantage in recruiting skilled talents. By investing in education and development through these specialized programs, organizations position themselves as forward-thinking and employee-focused, enhancing their reputation in the industry.

TAILOR MADE PROGRAMS

Apart from our regular courses, we provide tailor made programs specifically designed to meet the unique needs of your company / organization. These personalized programs aim to further educate employees on specialized topics, ensuring they acquire the necessary skills and knowledge relevant to their roles.

Whether you require a short, intensive course or a more comprehensive and detailed training module, we take your specific requirements and objectives into account to deliver a program that aligns perfectly with your company's / organization's objectives. Our approach ensures a flexible and effective learning experience tailored to your company's / organization's needs.

UNIKIMS is the Management School of the University of Kassel specializing in part-time master's programs, certificates, seminars, and corporate training, blending scientific knowledge with practical application. Since 2005, it has become a key partner in continuing education, serving over 1,200 professionals annually from 300+ companies. Designed for full-time employees, UNIKIMS offers flexible learning through concentrated classroom phases, online seminars, and service-oriented organization. In the context of the study program Online M.Sc. Wind Energy Systems, UNIKIMS is responsible for administering the online teaching environment.

UNIKIMS is also committed to sustainability, collaborating with NGOs such as Moving Windmills and SOS Children's Villages to develop green energy-focused educational programs for developing countries, covering wind, solar, water, biogas, and ecological agriculture.

University of Kassel

The academic profile of the University of Kassel is shaped by expertise in the fields of nature, technology, culture, and society, with unique potential for interdisciplinary cooperation and innovation. Founded in 1971, the university is a young, modern institution with approximately 25,000 enrolled students. To address the complex challenges of sustainable development, the University of Kassel has been incorporating sustainable transformation into its programs in recent years.

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More detailed information about the programs is available online at:

[unikims.de/wesprofessionals](https://www.unikims.de/wesprofessionals)



[unikims.de/das](https://www.unikims.de/das)



WES Diploma (DAS)

[unikims.de/wes](https://www.unikims.de/wes)



WES Master