Who we are

The Wildau Institute of Technology (WIT) is offering international study programmes. It is closely affiliated to the UAS Wildau. Besides the Renewable Energies programme, WIT offers international Master´s programmes, including Master in Aviation Management and Master of Business Administration (MBA).

The University of Applied Sciences Wildau (UAS Wildau) near Berlin covers subjects ranging from engineering to logistics, telematics, business administration, law and many more. The university´s trademark is a range of innovative study programmes.

More than 3500 students and almost 100 professors and full-time lecturers work together on a new high-tech campus in the historical buildings of the old Schwartzkopff locomotive factory.

The university has an excellent reputation for application-oriented research in cooperation with industry firms.

"While a passion for technical excellence is required for a career in a hi-tech company, it must be combined with a realistic approach and a thorough understanding of business considerations if an intriguing idea is to be converted into a commercial success. The WIT brings together technical and business expertise under one roof."

Axel Arendt
Member of the Board Rolls-Royce plc, London
Member of Scientific Advisory Board WIT

Let WIT take you further

www.wit-wildau.de
www.tfh-wildau.de

Where we are

Wildau is located very close to Germany´s capital city, Berlin, which is easy to reach by public transport. The region can also easy be reached by students from all over Europe and beyond as it nearby Schönefeld Airport that will expand to become the international hub "BBI Berlin Brandenburg International" within the next years.
The UAS Wildau is an excellent location for the programme. In the region around Wildau numerous technology and business parks have been set up in recent years, with service industries and logistics centres, energy, aviation and environmental technology companies. The UAS Wildau works in close cooperation with many of them.

Contact

Wildau Institute of Technology
at the UAS Wildau e.V. (WIT)
Bahnhofstrasse
15745 Wildau
Germany
phone: +49 3375 508-601
fax: +49 3375 508-660
eMail: info@wit-wildau.de

WILDAU INSTITUTE OF TECHNOLOGY
AN DER TECHNISCHEN FACHHOCHSCHULE WILDAU e.V.

Study programme

Renewable Energies

Master's Degree

Technische Hochschule Wildau [FH]
Technical University of Applied Sciences
WILDAU




Background

Sustainable long-term energy supply is regarded as the main challenge in the 21st century as growing energy consumption will exhaust the known sources in the foreseeable future. Only by finding and exploiting economically viable ways of generating energy from renewable sources standards of living can be upheld without further damage to our climate. Additional effects will occur via increasing employment along with social stabilisation. This new study programme will give you the know-how and the tools necessary to participate in this task. Students will learn to understand the physics of power generation, distribution and usage by conventional as well as innovative methods including wind, tide, nuclear, solar, geothermic and biological production. They will also get the qualification to design energetic logistics and efficient electricity grids. This combination of technical expertise with the competence to manage power plants and supply companies will enable participants to act in a responsible way both from an economic as well as from an ecological perspective. The programme includes lectures, exercises and eLearning as well as a high share of project work. Teaching staff consists of professors with long-time scientific and management experience as well as leading experts from the industry.

Target Group

The programme is designed for students with a Bachelor´s or Diploma degree in engineering or science with professional experience and management potential. Successful candidates may look forward to worldwide career perspectives in the field of electricity, equipment manufacturing, consulting or with a regulatory government body.

Renewable Energies Programme

The programme covers the following areas of competence:

Energy Technology

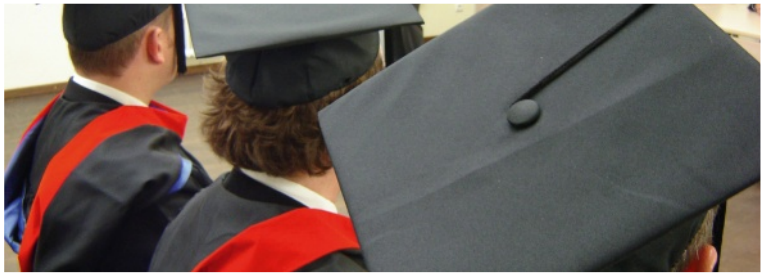
- Energy Technology
- Equations of Change and Transport
- Plant Design
- Fuel Process Technology
- Technical Control Systems
- Energy Engines and Fuel Cells
- Computational Fluid Dynamics
- Energetic Logistics
- Renewable Fuels
- Power Generation
- Grid Distribution

Advanced Engineering Skills

- Rational Thermodynamics
- Advanced Mathematics
- Chemistry
- Microbiology
- Design

Management and Social Skills

- Managerial Accounting
- Corporate Finance
- Leadership and Motivation
- Energy Economics and Policy
- Cross Cultural Communication



At a Glance

General course structure

- 2 years, part-time programme
- 3 study semesters + 1 thesis semester
- 2 working blocks of 2 weeks per semester
- Lessons in English
- Degree “Master of Engineering"
- Start: March 2010

Prerequisites

- University level qualification in engineering or sciences (Bachelor´s degree, Diploma degree)
- Fluent command of English (TOEFL, IELTS, Cambridge Certificate)

Examinations

- Exams and project work
- Masters’s thesis - final written submission
- Public colloquium with a panel of examiners

Organisation

The organisation of the course and the supervision of participants are carried out by the Wildau Institute of Technology. The students are enrolled at and degrees are given by the University of Applied Sciences Wildau.

Fees

12.500 EUR study fees for the two-year programme

Accreditation

Changes to the details given above are possible due to inputs from the accreditation in process and subject to final approval of the Brandenburg Ministry of Science.