



Hochschule
Flensburg
University of
Applied Sciences

Wind Energy Engineering (M.Eng.)



*»You will develop a wind energy
plant together with other students.«*

Prof. Dr.-Ing. Torsten Faber

What it's about

Our location makes FUAS the perfect place to study wind energy engineering. Not only is it windy here always, basically, more than 8,000 people are employed in the wind industry in Schleswig-Holstein – which gives us a leading position in this sector in Germany and internationally. Wind is one of the renewable energy sources with the highest growth potential. And to manage the turnaround in energy policy, the world needs experts – experts that we qualify.



Future prospects

Your master's degree in Wind Energy Engineering is a great qualification for a career in Germany and abroad. Two thirds of our former students found a job in less than three months after graduating. You'll find jobs in a number of sectors, such as these:

- **(Wind) energy industry**
- **Companies active in the repair and maintenance of wind turbines and wind parks**
- **Mechanical engineering and the automotive industry**
- **software development**
- **Research institutes and universities**

5 good reasons

- ⊕ we have our own wind turbine on campus
- ⊕ benefit from the expertise of our **Wind Energy Technology Institute (WETI)**
- ⊕ we know more than wind, we know Mechanical Engineering, **Systems Engineering and Energy Engineering**
- ⊕ study in an international degree programme
- ⊕ Schleswig-Holstein is a pioneer in wind energy

It's a match if

- ✓ you have a bachelor's degree from a related field graded "good" or
- ✓ two favourable letters of reference from professors of the university you previously attended
- ✓ you have good English skills
- ✓ you like to work in teams
- ✓ you have a basic understanding of technology

Course structure & majors

1st semester	2nd semester	3rd semester*	4th semester
Scientific and technical writing 4 SWS (5.0 CPs)	Wind turbine aerodynamics 4 SWS (5.0 CPs)	Mechanical engineering	Thesis (30 CPs) * You choose which of the 4 subject areas you would like to specialize in. SWS: Semesterwochenstunden/CPs: Credit points
Global wind industry and turbine technology 4 SWS (5.0 CPs)	Certification, load assumptions and simulations 4 SWS (5.0 CPs)	Electrical engineering	
Energy economics 4 SWS (5.0 CPs)	Control and automation of wind power plants 4 SWS (5.0 CPs)	Structural engineering	
Advanced engineering mathematics 4 SWS (5.0 CPs)	Tower and rotor structures 4 SWS (5.0 CPs)	Project Development	
Elective A	Mechanical drive train 4 SWS (5.0 CPs)	Elective	
Elective B	Electrical engineering for wind turbines 4 SWS (5.0 CPs)	Elective	

The duration of your master's degree programme (3 or 4 semesters) depends on the qualifying bachelor's degree you are applying with. If you completed a bachelor's or German Diplom degree comprised of 210 ECTS credits, you can start in the summer semester (i.e. the standard duration of your studies is 3 semesters). International degrees are subject to review and often a credit point conversion by UniAssist. The number of ECTS credits acknowledged can only be determined after this conversion.

Overview

<i>Restricted admission</i>	Bachelor's or German Diplom degree; a satisfactory level of English language skills
<i>Duration</i>	3 or 4 semesters (see „Course structure“)
<i>Starts in</i>	summer semester and winter semester
<i>Degree</i>	Master of Science (M.Sc.)

*»Make your individual consultation appointment.
We look forward to seeing you.«*

Marc Laatzke, Course Guidance

[Apply now!](#)

Contact

Course Guidance

H building (main building)

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Open consultation hours

Mon. 9 am – 12 p.m., 1:30 – 3:30 p.m.

Wed. + Thu. 9 am – 12 p.m.