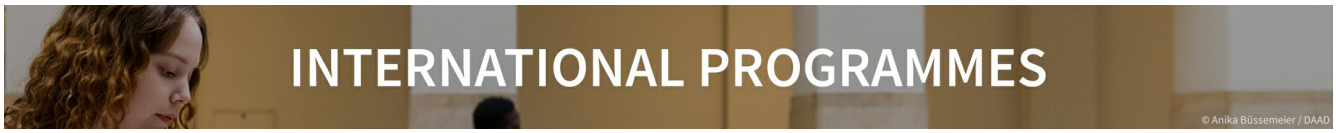
Deutscher Akademischer Austauschdienst
German Academic Exchange Service



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Master's degree

Sustainable Energy Systems

TU Dortmund University • Dortmund




Overview

Degree	Master of Science
Teaching language	• English
Languages	Courses are held in English (100%). However, at the discretion of each student, classes similar to or supplementing the curriculum may be chosen in German as well if language proficiency, schedule and content allow for such a choice. In such a case, the transfer of credits to the individual student account has to be ratified by the board of examiners. Participants have to write their Master's theses in English.
Full-time / part-time	• full-time
Programme duration	4 semesters
Beginning	Winter and summer semester
Additional information on beginning, duration and mode of study	Interested parties will find more information on the website of the faculty:https://etit.tu-dortmund.de/
Application deadline	Complete application by: 15 July for the winter semester 15 January for the summer semester
Tuition fees per semester in EUR	None
Combined Master's degree / PhD programme	No
Joint degree / double degree programme	No

Description/content	The Sustainable Energy Systems programme prepares students for work in the broad field of energy system transformation towards a climate-neutral, economic and supply-secure future. The main technical perspective targets the transition of the electrical power system based on renewable energy. Knowledge of its future design is supplemented by competencies in sustainability and digitalisation for smart grids and markets. The course of study comprises the design, modelling, control and operation of electrical energy systems while considering sustainability perspectives. The programme also prepares the students in distributed renewable generation, sector coupling with all energy sectors, and related energy market designs. All courses are taught in English. The Master's programme also includes an industry internship, which gives students the opportunity to apply their knowledge to practical problems. In the final semester, the students work on their Master's theses for six months on a full-time basis. Joint work in seminars, tutorials, labs, and project groups will strengthen their competencies. The international environment with students from various countries will broaden their horizons and enable them to interact respectfully in international teams and organisations.

Course Details

Course organisation	Teaching is split into classroom teaching, tutorials and labs in general. Two further practical parts are an internship and an individual Master's thesis which completes your education. The further you go the more the individual and practical parts come into focus. Your planned schedule will start with one semester of mandatory classroom courses, intended to bring all students from different backgrounds to a common, solid level which enables the successful completion of the elective classes. You do not have to choose your electives at the beginning of your studies, but you will do this later on. These electives are likely to establish the contact to the specific institutes of scientific working groups which will later offer topics for the project groups and MSc thesis.
A Diploma supplement will be issued	Yes
Integrated internships	As part of the Master's programme, 12 weeks of practical training (industrial internship) must be completed in the third semester, and 14 credits are awarded for this.
Course-specific, integrated German language courses	No
Course-specific, integrated English language courses	No

Costs / Funding

Tuition fees per semester in EUR	None
Semester contribution	Every semester, our students pay an administrative fee of around 320 EUR, which includes a season ticket for public transport.

Costs of living	https://international.tu-dortmund.de/en/incomings/degree-seeking-students/finances/
Funding opportunities within the university	No

Requirements / Registration

Academic admission requirements	For admission to the Master's programme, a BSc or equivalent degree in electrical engineering or a comparable study programme is required. Admission is based on the overall academic performance. Certificates have to be certified by a notary and/or by the Ministry of Education or German consulates or respective authorities. For enrolment, they have to be presented in the original.
Language requirements	An English proficiency level in the range of the European CEFR C1 is requested. For instance, this translates to • IETLS 7 (overall, academic test) • TOEFL ibT 95 or similar test frameworks.
Application deadline	Complete application by: 15 July for the winter semester 15 January for the summer semester
Submit application to	Students with an international degree who are NOT citizens of an EU country must submit their application online using uni-assist (www.uni-assist.de). All other applicants use the campus portal campus.tu-dortmund.de. Further information can be found on the website of ourInternational Office.

Services

Accommodation	The cost of accommodation varies between 250 and 400 EUR per month. Please see the following links for more information: https://international.tu-dortmund.de/en/international-students/everyday-life/accommodation-1/ https://www.stwdo.de/wohnen.
Support for international students and doctoral candidates	• Welcome event • Tutors
General services and support for international students and doctoral candidates	Some senior international students welcome and help our new students with their questions before their arrival and offer support on the first days after their arrival.

We are TU Dortmund University

Communicative – innovative – unique

» more:
https://www.youtube.com/watch?v=L7IYgWsiW6Y

TU Dortmund University

View of the Math Tower

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A university with a unique profile: Since its founding in 1968, TU Dortmund University has developed a special profile encompassing 17 departments ranging from science and engineering to social sciences and cultural studies. The university has more than 30,000 students and 6,500 employees, including 300 professors.

TU Dortmund University has a strong focus on research. The university's departments, e.g. mechanical engineering (with its emphasis on production and logistics), physics, biochemical and chemical engineering, statistics and computer science, and education research, are well known for their outstanding research achievements both nationally and internationally.

Students at TU Dortmund University can choose from classical subjects and innovative courses of study such as medical physics or degree programmes in spatial planning, statistics, and journalism. A particular focus is on teacher training. TU Dortmund University is one of only a few universities in Germany that offers professional teaching qualifications for all types of schools.

University location

With around 6,500 employees, TU Dortmund University is one of Dortmund's largest employers and has helped drive the transformation of the city and the Ruhr region from Europe's largest coal mining and steel production area into a high-tech and service location as well as a cultural metropolis.

Dortmund is located in the heart of Europe. It is the largest city in the Ruhr region and is home to the Borussia Dortmund (BVB) soccer club. All of this contributes to the many advantages that will make studying in Dortmund an unforgettable experience. Apart from destinations for football fans, there are many other places of interest to discover in Dortmund and the Ruhr region.

Of particular importance for the development of the region is the University Alliance Ruhr (UA Ruhr), in which TU Dortmund University, the University of Duisburg-Essen, and Ruhr University Bochum joined forces more than a decade ago. Since the founding of the UA Ruhr, the Ruhr area has developed into one of the strongest science regions in Germany.

Contact

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https://twitter.com/ETudortmund

https://www.instagram.com/etit_tudortmund/

https://www.youtube.com/channel/UCLxQM_uF8QgtQq2HLL6SCiQ/featured

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