



Deutscher Akademischer Austauschdienst
German Academic Exchange Service



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Master's degree



Chemical Engineering (Process Systems Engineering)

TU Dortmund University • Dortmund



Overview

Degree	Master of Science
Teaching language	<ul style="list-style-type: none">English
Languages	The only course taught in German is the German language course. However, students are free to select courses from the Chemical Engineering German Master's programme as their electives.
Full-time / part-time	<ul style="list-style-type: none">full-time
Mode of study	Less than 50% online
Programme duration	4 semesters
Beginning	Winter semester
Additional information on beginning, duration and mode of study	Orientation days will kick off on 30 September. We've got some fun activities planned for our new students. It'll be a great way to get to know each other, the campus, and the city of Dortmund. Classes start on 7 October, so make sure you get to Dortmund in time.
Application deadline	Complete application: 15 April
Tuition fees per semester in EUR	None
Combined Master's degree / PhD programme	No
Joint degree / double degree programme	No
Description/content	The Process Systems Engineering programme prepares students for work on the design and operation of complex chemical and biochemical production systems using mathematical models and modern computer tools for simulation and optimisation. Attention: This is not a process engineering course of study.

The course of study comprises advanced control and production scheduling methods and the systematic acquisition and analysis of experimental data. All courses are taught in English. The Master's programme also includes language courses in which students from abroad will acquire a working knowledge of German and the acquisition of soft skills. In the final semester, the students work on their Master's thesis for six months on a full-time basis.

Students learn in a truly international class and work together with fellows from other countries, cultures, and backgrounds. Joint work in tutorials, labs, and project groups will broaden their horizons and enable them to interact respectfully in international teams and organisations.

Current information

Please visit our website for information with regards to campus life and living in Dortmund in general: <https://international.tu-dortmund.de/en/researchers/life-in-dortmund>.

Course Details

Course organisation

To learn more about the layout of the programme, please check this [LINK](#). Please click on the links on our website as well in order to get more information about the courses, entry requirements, scholarships, and much more.

» [PDF Download](#)

A Diploma supplement will be issued

Yes

International elements

- Integrated/optional study abroad unit(s)

Integrated/optional study abroad unit(s)

Voluntary stays abroad are possible.

Integrated internships

Voluntary internships are possible.

Course-specific, integrated German language courses

Yes

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

You will find the estimated cost of living here: [click on Finances](#).

Funding opportunities within the university

Yes

Description of the above-mentioned funding opportunities within the university

TU Dortmund takes part in various scholarship programmes, for example, the Deutschlandstipendium. Performance-based funding for the final phase of the programme is available to a limited extent. For more information, please refer to <https://bci.tu-dortmund.de/studium/studienorganisation/stipendien>.

Requirements / Registration

Academic admission requirements

For admission to the Master's programme, a **BSc** or equivalent degree in **Chemical Engineering** is required. Admission is based on the overall academic performance, recommendation letters (two minimum), [proof of English proficiency](#), GRE (general test) results, statement of purpose, and further qualifications.

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.

Candidates who do not submit their GRE scores will not be considered for admission!

Applicants for Master's degree programmes from certain countries, e.g. India and China, must have their certificates checked by the Academic Evaluation Centre (**APS**) of the German Embassy **before they can apply** in Germany. After passing this review, they receive an APS certificate, which must be submitted as part of the application.

Language requirements

As the Process Systems Engineering stream of the Master's programme is taught exclusively in English, applicants must provide evidence of their **English** language skills. Please check [here](#) for valid certificates.

A Graduate Record Examination (GRE) certificate is mandatory for all applicants. For more information, please check the entry requirements for foreign students: [link](#).

Application deadline

Complete application: 15 April

Submit application to

[Inform yourself early.](#)

Students with a **non-EU/EEA Bachelor's degree** submit their application using **uni-assist**.

EU/EEA citizens upload all relevant documents for their application [here](#).

Services

Possibility of finding part-time employment

The department has a limited number of part-time jobs for successful students after the first semester. However, funding for the first two semesters should be secured before coming to Dortmund, as the time available for work is limited.

Please check the information provided on our website about [part-time work](#).

Accommodation

Accommodation costs vary between 300 and 400 EUR per month. The waiting list for halls of residence is long. **You should apply for accommodation as soon as possible.**

See this link for more information: <https://www.stwdo.de/wohnen>.

Support for international students and doctoral candidates

- Tutors
- Pick-up service
- Welcome event
- Buddy programme
- Specialist counselling
- Cultural and linguistic preparation
- Support with registration procedures

General services and support for international students and doctoral candidates

Throughout the first semester, students are assisted by senior mentors. This includes welcome services as well as academic support, counselling and support for the integration into the German educational system.



Bci – The Biochemical and Chemical Engineers

We cultivate tomorrow's talents.

» more:
<https://www.youtube.com/watch?v=jclddLtittM>

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.

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🌐 Course website: <https://bci.tu-dortmund.de/en/studies/study-programmes/process-systems-engineering/>

📘 <https://www.facebook.com/bci.tu.dortmund>

📷 <http://www.instagram.com/bci.tudortmund>

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International Programmes in Germany - Database

www.daad.de/international-programmes
www.daad.de/sommerkurse

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Disclaimer

The data used for this database was collected and analysed in good faith and with due diligence. The DAAD and the Content5 AG accept no liability for the correctness of the data contained in the "International Programmes in Germany" and "Language and Short Courses in Germany".

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