



Deutscher Akademischer Austauschdienst
German Academic Exchange Service



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Master's degree



Chemistry

Dresden University of Technology • Dresden

Overview

Degree	Master of Science
Teaching language	<ul style="list-style-type: none">English
Languages	The programme is conducted in English. The Master's thesis has to be written in English.
Full-time / part-time	<ul style="list-style-type: none">full-time
Programme duration	4 semesters
Beginning	Winter and summer semester
Application deadline	<p>Application dates for non-EU applicants:</p> <ul style="list-style-type: none">1 April to 31 May for the following winter semester1 October to 30 November for the following summer semester <p>Application dates for EU applicants:</p> <ul style="list-style-type: none">1 April to 15 July for the following winter semester1 October to 15 January for the following summer semester <p>For further information, see here.</p>
Tuition fees per semester in EUR	None
Combined Master's degree / PhD programme	No
Joint degree / double degree programme	No
Description/content	<p>Graduates of the Master's degree programme in chemistry have a broad command of theoretical and practical fundamentals and corresponding knowledge of methods and material. They are able to address topics in the field of chemistry with a critical eye and in a scientifically sound manner. They can also solve tasks independently and work in an interdisciplinary capacity, thereby contributing to development in this field. At the same time, graduates can recognise the relevance of scientific fields closely related to chemistry and use these effectively. In addition to subject-specific skills, graduates also possess key qualifications relevant to their profession, such as communication skills, teamwork, effective project planning and work organisation.</p>

Students of this degree programme graduate with the academic title "Master of Science", giving them a good basis for pursuing further qualifications, in particular doctoral studies. This will increase their chances of starting an independent and self-directed profession. Following the tradition of our university, our professors maintain contacts with leading chemical companies in Germany, especially for your benefit.

Graduates possess the in-depth specialist knowledge required for professional practice, understand interdisciplinary links and are qualified for highly specialised activities, for example, working at teaching and research institutions, in industry and with public authorities.

Course Details

Course organisation

The programme is organised in modules. The curriculum is divided into three semesters. The fourth semester is dedicated to completing the Master's thesis. The programme generally comprises elective compulsory modules totalling 70 credits (ECTS). Students select their specialisation within the module groups. Students must achieve 20 to 30 credits (ECTS) in each of the "Materials Chemistry" (M) and "Biologically-Oriented Chemistry" (B) module groups. Modules of the "Cross-Sectional Field" module group are assigned half of the credit points to be achieved in groups M and B. Students must select modules with a total of ten credits from the "Practical Application" module group. They must also select modules totalling between five and ten credits from the "General Education Modules" group.

The elective compulsory modules are supplemented by the compulsory modules "Advanced Research Internship" and "Research Lab Class," which each total 10 credits (ECTS). The compulsory Master's thesis is worth 25 credits (ECTS) and the corresponding colloquium is awarded 5 credits (ECTS).

The appropriate allocation of the modules to the individual semesters – the observance of which makes it possible to complete the programme within the standard period of study – as well as the type and scope of each of the courses are defined in the study schedule. Content and qualification objectives, teaching and learning methods, requirements, usability, frequency, workload, and duration of the individual modules are listed in the module descriptions.

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A Diploma supplement will be issued

Yes

International elements

- Integrated/optional study abroad unit(s)

Integrated/optional study abroad unit(s)

The programme contains a mobility window in the second or third semester. This offers the opportunity to spend a semester abroad with one of our Erasmus+ partner universities. Coursework completed abroad can be fully recognised on the basis of learning agreements. There are no units integrated directly. But, on the basis of learning agreements, the courses taken at the university abroad are included in the list of selected elective modules.

Diverse intercultural background of students

The share of international students in the Master's programme in Chemistry is about 54%.

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	Currently, students pay approx. 290 EUR per semester (i.e. for six months). This includes the Deutschland-Ticket, a ticket for most local public transport (bus, tram, ferry, S-Bahn) and regional trains in all of Germany incl. Dresden. Students can also use a bike rental service all over the city of Dresden for free for 30 minutes. The contribution also assures concessions in the university cafeterias and offers benefits (e.g. price reductions) for many cultural and leisure activities.
Costs of living	Dresden offers high quality of living at very moderate costs. Currently, students should expect to pay around 850 EUR per month including rent, food, insurance and basic expenses. This figure is relatively low compared to other big German cities.
Funding opportunities within the university	Yes
Description of the above-mentioned funding opportunities within the university	It is possible to apply for scholarships. Information on scholarships and funding for students is summarised on a dedicated web page of the TU Dresden .

Requirements / Registration

Academic admission requirements	Admission restrictions: open admission with aptitude assessment The admission requirements for this course are: <ul style="list-style-type: none">• A Bachelor's degree in chemistry• Proficiency in English at the B2 level of the Common European Framework of Reference for Languages• Specialist knowledge according to the Aptitude Assessment Regulations on the faculty website, which must be proved by completing an aptitude test
Language requirements	Proof of proficiency in English at the B2 level of the Common European Framework of Reference for Languages. Proof shall be deemed to have been furnished if: <ul style="list-style-type: none">a) sufficient English training can be proven as part of the acquired university entrance qualification (for example, basic or advanced course in English or comparable levels) orb) the previous degree programme is/was entirely in English orc) the Test of English as a Foreign Language (TOEFL internet-based) has been passed with a total score of at least 75 points and at least 18 points in each sub-aspect ord) the IELTS test has been passed with at least level 6.0 in all sub-aspects ore) the UNiCert test has been passed with at least level II.
Application deadline	Application dates for non-EU applicants: <ul style="list-style-type: none">• 1 April to 31 May for the following winter semester

- 1 October to 30 November for the following summer semester

Application dates for EU applicants:

- 1 April to 15 July for the following winter semester
- 1 October to 15 January for the following summer semester

For further information, see [here](#).

Submit application to	Online application via uni-assist More information
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Services

Possibility of finding part-time employment

In order to top up their budget, some students may want to look for temporary work in Dresden. If so, different regulations apply for students from EU member states, countries of the European Economic Area (EEA) and Switzerland, and students from outside the European Union and the EEA area. In addition, restrictions on the duration of employment may apply. Professors, lecturers and group leaders involved in the Master's programme may offer students the possibility of working as academic assistants. However, living expenses can be financed only partially through a job as an academic assistant.

Accommodation

It is still relatively easy to find affordable accommodation in Dresden. Accommodation is available either via the [Studentenwerk Dresden](#) or on the private market. Rent for a single room in a student residence is approx. 250 EUR per month. Private housing can be found online. We recommend that you move into a hall of residence at the beginning of your stay in Dresden. Subsequently, you can look for a place on the private market or in a shared apartment, which is known as a Wohngemeinschaft or WG in German.

Career advisory service

TU Dresden offers plenty of counselling and training within its Career Service to help students with finding professional orientation. They offer workshops to equip students with professional skills and aid to optimise their CVs.

Additionally, there are special workshops for international students to get to know the German and Saxon job market and network.

Support for international students and doctoral candidates

- Welcome event
- Buddy programme
- Tutors
- Cultural and linguistic preparation

General services and support for international students and doctoral candidates

The [ServiceCenterStudium](#) is the right place for questions about application, enrolment and all course-specific questions. Your messages will be forwarded to the right contact person (e.g. international office, academic adviser, examination office) and you will receive prompt feedback.

The student representatives council of the faculty offers a mentee programme for all student new to TU Dresden.



TU Dresden Chemistry Building

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TU Dresden is one of eleven Universities of Excellence in Germany and is among the top universities in Europe: strong in research, it offers first-rate programmes with an overwhelming diversity, with close ties to culture, industry and society. As a modern comprehensive university with five schools (17 faculties), it offers a wide academic range of programmes. With around 29,000 students (18% international) TU Dresden is the largest university in Saxony. It enjoys an outstanding national and international reputation for research in natural and engineering sciences.

One of the most prominent characteristics of TU Dresden is its dynamic development – a process that has been going on for years and will continue into the future. As a "synergetic university", TU Dresden closely cooperates with external research institutions as well as cultural, industrial, and social organisations. Students also benefit from interdisciplinary collaboration with a focus on practical outcomes. Teaching and research follow the principle of involving both students and graduates into current research early on.



University location

The capital of the Free State of Saxony, Dresden, stands majestically on the river Elbe. The fourth-largest city by area in Germany, Dresden is home not just to riverside palaces, Baroque churches and world-class museums but also to a proud history of science and technology. This finds continuity into the present with the DRESDEN-concept, an alliance of 37 research institutions in and around Dresden of which TUD is a proud and prominent member. Whether you are interested in theatre, opera, cabaret or cinema, or if you enjoy a stroll through museums or a night out at the pub, Dresden has something to offer for everyone. Students also get an opportunity to be active in the many sports facilities in Dresden, including TU Dresden's own, or in the surrounding nature of the Elbe landscape, the Elbe Sandstone Mountains (Elbsandsteingebirge) or the Ore Mountains (Erzgebirge). The surroundings of the city have plenty to offer and the city is an excellent hub from where to explore Berlin, Prague, Leipzig and Wrocław.

Contact

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Disclaimer

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