

## TU Dresden

TU Dresden is the biggest university in Saxony and one of 11 universities of excellence in Germany. 30,500 students, including 17% international students, study in more than 120 degree programs on four different campuses. Our focus is on providing a world-class interdisciplinary education and we support our international students with a wide-ranging system of counseling and support programs.

## Dresden

Dresden is the capital of the Free State of Saxony and 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 33 research institutions in and around Dresden of which TUD is a proud and prominent member.

Whether you are interested in theater, 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 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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### Faculty of Chemistry and Food Chemistry

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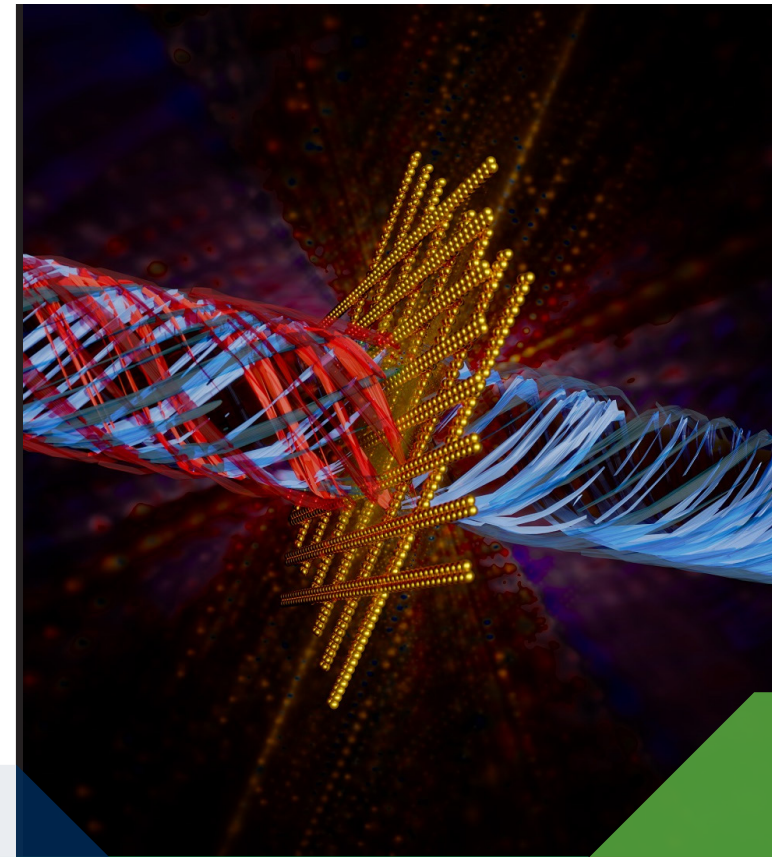


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Information about the degree program  
[tu-dresden.de/sins/ma-chm](http://tu-dresden.de/sins/ma-chm)



International Master's Program

**Chemistry**

# Chemistry

start of studies	winter and summer semester
period of study	4 semesters
mode of study	direct studies
degree	Master of Science
course language	English

## General Information for the Degree Program

Graduates of the Master's program in Chemistry have a broad theoretical and practical basis and appropriate knowledge of materials and methods, and are able to develop chemistry technology solutions in a scientifically appropriate and critical manner, to solve the societal tasks that arise independently or in interdisciplinary work, and thus to contribute responsibly to the further development of the subject. At the same time, they are able to recognize the importance of references to scientific fields related to chemistry and to use them beneficially. In addition to their subject-specific knowledge, they possess key qualifications relevant to their profession, such as communication and teamwork skills as well as effective project planning and work organization.

With the acquisition of the academic degree Master of Science, our graduates have an excellent starting point for further qualification, especially doctoral studies. This increases their chances of starting an independent and autonomous professional career. In good tradition of our university, our professors maintain contacts with leading companies in Germany, especially for your benefit.

## Study Contents

Future societies require sustainable solutions for energy and food supply, environmental protection and health. Chemistry plays a key role in developing circular economies, (bio)catalysts, new molecules, sustainable polymers, as well as advanced optical and electronic materials. The program offers two focus themes „Materials Chemistry“ and „Biologically Oriented Chemistry“. The study program is modular. As a rule, it comprises elective modules with a minimum of 70 credit points (ECTS). The course offering is spread over 3 semesters. The fourth semester is reserved for the completion of the Master's thesis. The individual focus is set within the focus themes. Modules are offered in the „Cross-Sectional Field“ and „General Education Modules“. At least ten credit points must be selected in the area of „Practical Application“.

The elective modules are supplemented by the compulsory modules Advances Research Internship and Research Lab Class, each worth 10 credit points (ECTS), as well as the Master's thesis worth 25 credit points (ECTS) and a public defense worth 5 credit points (ECTS).

The timing schedule of the modules within individual semesters as well as the type and scope of the respective courses can be found in the attached study schedule. Contents and qualification goals, teaching and learning methods, prerequisites, applicability, frequency, workload and duration of the individual modules can be found in the module descriptions.



## Admission Requirements

Prerequisites:

- a Bachelor's degree in Chemistry or a related scientific direction,
- special knowledge in Chemistry, as well as in elementary science contexts, which are proven by an aptitude test,
- aptitude assessment according to TU Dresden Regulations for Award of Master's degrees and the aptitude assessment regulations on the webpage of the discipline.

## Fees and Funding

TU Dresden is a public university that does not charge tuition fees. However, all students must pay a semester contribution of 300€ per semester that includes a ticket for public transport in Dresden and all regional trains in Saxony. Furthermore, students can use the rental bike system (mobibike) for 30min per rental for free. All general living expenses have to be paid by the student. We currently advise budgeting about 800€ per month for living in Dresden.