



Deutscher Akademischer Austauschdienst
German Academic Exchange Service



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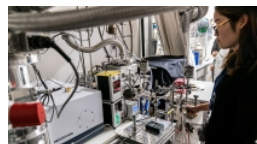
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Master's degree



Master of Science in Chemistry

Freie Universität Berlin • Berlin



Overview

Degree	Master of Science
Teaching language	<ul style="list-style-type: none">English
Languages	<p>Most of the courses are held in English. There are a few elective courses offered only in German. Thus, the programme can be completed without knowledge of German.</p> <p>Participants can choose to write the Master's thesis in either German or English.</p>
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 and registration period: 24 April to 15 August (for the winter semester) and 1 December to 15 February (for the summer semester)</p> <p>https://www.fu-berlin.de/studium/studienangebot/master/chemie/</p>
Tuition fees per semester in EUR	None
Combined Master's degree / PhD programme	No
Joint degree / double degree programme	No
Description/content	<p>Students will expand and deepen their knowledge in the three topic areas: inorganic chemistry, organic chemistry, and physical chemistry. They will strengthen their specialised knowledge in a topic area in chemistry of their own choice or gain cross-cutting qualifications by taking non-chemistry modules. They will become familiar with the terminologies and special aspects of chemistry, its strengths and limitations, and will be able to apply their knowledge to new issues and situations, even in an interdisciplinary context. They will gain knowledge and practical skills relating to the current state of research in selected fields. They will be able to analyse chemical</p>

issues and assess them critically, to develop independent solution strategies, and to estimate their impacts in a wider context.

The Master's programme focuses on the current state of research on concepts and experimental and theoretical methods by which the structure and behaviour of atoms, molecules, and solids can be examined, described, and predicted, complex molecules can be synthesised, and associations of molecules analysed. The programme includes both theoretical and instrumental methods of analytical proof and explanation of structures as well as the theoretical background necessary to understand and apply them. Research projects give students the opportunity to apply the latest research methods and concepts to current research topics being examined in working groups. The programme's elective modules provide the opportunity to link chemistry with other disciplines, such as mathematics, physics, biology, medicine, or materials sciences.

Course Details

Course organisation

The Master's programme is structured into the following:

1. A compulsory elective area comprising 35 CP:
The modules offered in the compulsory elective area focus on the understanding of modern experimental and theoretical developments in chemistry, to give students a wide basic scientific qualification. The compulsory elective area is structured in the following three topic areas: inorganic chemistry, organic chemistry, and physical and theoretical chemistry, comprising 10 CP each and a cross-topic area comprising 5 CP.
2. A project area comprising 20 to 30 CP:
In order to also gain an understanding of current experimental and theoretical developments, research projects in chemical subjects comprising 20 to 30 CP must be taken in the project area. Students must complete research projects in at least two research groups, including at least 15 CP in the topic areas inorganic chemistry, organic chemistry, or physical and theoretical chemistry. Other research projects may also be selected from other topic areas in chemistry.
3. A specialisation area comprising 10 to 20 CP:
In the specialisation area comprising 10 to 20 CP, students deepen their knowledge and specialise in a research-oriented or application-oriented topic area in chemistry in line with their individual skills and aims.
4. An elective area comprising 15 CP:
In the elective area comprising 15 CP, the students can either deepen their expertise in chemistry further or gain cross-cutting qualifications or professional knowledge and skills beyond the field of chemistry, depending on their interests and career aims.
5. The Master's thesis, including lecture comprising 30 CP:
The Master's thesis comprises two components, one written and one oral. The Master's thesis is intended to demonstrate that the student is capable of working independently on an issue in the field of chemistry at an advanced scientific level using scientific methods and of presenting the findings in writing and orally in an appropriate form, to place the findings in their scientific context and to document them.

Course-specific, integrated German language courses	No
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Course-specific, integrated English language courses	No
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Costs / Funding

Tuition fees per semester in EUR	None
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Semester contribution	In total, the semester contribution amounts to 312.89 EUR. It includes a fee of 198.80 EUR for the transportation ticket contribution. This allows you to use public transportation in Berlin for free. Other costs covered by the semester contribution include a 50 EUR enrolment fee, a 54.09 EUR semester contribution to the student support service ("studierendenWERK Berlin"), and a 10 EUR contribution to the student union.
Costs of living	Compared to other European countries, the cost of living in Germany is quite reasonable. However, the cost of living has also risen somewhat in Germany in recent years. The prices for food, accommodation, clothing, cultural events, etc. are slightly above the EU average. You will need around 950 to 1,200 EUR each month to cover your living expenses. The biggest expense is monthly rent, which is between 400 and 700 EUR in Berlin.
Funding opportunities within the university	No

Requirements / Registration

Academic admission requirements	Academic admission requirements include a Bachelor's degree in chemistry or an equivalent degree with credits in chemistry that correspond to the Bachelor's programme in chemistry at Freie Universität Berlin. Please note that degrees in "applied chemistry", "chemical engineering" and other subjects, such as pharmacy or biochemistry, are generally not equivalent.
Language requirements	Proof of sufficient German (DSH2) or English skills (B2 CEFR) is required for all applicants whose first language is not German and who earned an initial degree from a university (or equivalent institution) where the language of instruction was not German. German or English skills will be necessary to understand courses and specialist literature.
Application deadline	Application and registration period: 24 April to 15 August (for the winter semester) and 1 December to 15 February (for the summer semester) https://www.fu-berlin.de/studium/studienangebot/master/chemie/
Submit application to	The application must be submitted online via https://my.uni-assist.de/ .

Services

Possibility of finding part-time employment	<p>There are many ways of earning money while you study, for example as waiting staff, academic assistants, or private tutors. Knowledge of German will improve your chances of finding a part-time job, but it isn't necessarily required. However, it is important to be aware of the legal regulations.</p> <p>The student support service at the university, called studierendenWERK Berlin, and the local representative of the "Bundesagentur für Arbeit" (Federal Employment Agency) can provide information about jobs for students. When searching for a job, look at online job boards, ads in local newspapers, and notice boards on campus.</p>
Accommodation	You have the option to stay in a public/private student dormitory or in a private (shared) apartment. Student dormitories are not administrated by the university itself, so Freie Universität Berlin does not have any on-campus housing. However, it works together with " studierendenWERK "

Berlin" regarding student accommodation.

If you do not wish to stay in a student dormitory, you can try to find a room or an apartment on the private housing market. Many students in Berlin live in shared apartments ("WGs"). You can find these offers online (e.g. [WG-gesucht](#) or [Craigslist](#)) or on notice boards on campus.

Available rooms/apartments near the university are rare. Therefore, students mostly commute from other parts of the city. The commute via public transportation usually takes between 30 minutes and an hour, which is considered a normal travel time in Berlin due to the city's size.



Campus Tour – On the Road with Elena and Björn on the Campus of the Freie Universität Berlin

Elena and Björn take you on a tour to discover the Freie Universität Berlin campus in Berlin-Dahlem. In beautiful autumn weather, the video shows the whole campus, including the chemistry department.

» more:

https://www.youtube.com/watch?v=HfkTct48o_4

Freie Universität Berlin



Aerial view of Freie Universität Berlin

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Freie Universität Berlin is a leading research institution. It is one of the 13 German universities being funded through the German government's Excellence Strategy and is part of the only University Consortium of Excellence, the [Berlin University Alliance](#), which consists of four partners in Berlin: Freie Universität Berlin, Humboldt-Universität zu Berlin, Technische Universität Berlin, and Charité – Universitätsmedizin Berlin.

You can choose from more than 180 subject areas. No matter which area you are interested in, be it archaeology, physics, Jewish studies, law, or psychology, you will find your subject at Freie Universität Berlin.

As an international university, Freie Universität Berlin has partnerships with numerous universities across the world and maintains offices in Beijing, Cairo, Eastern Europe (Tbilisi, Georgia), New Delhi, Moscow, and São Paulo. About 17 percent of the students come from abroad, as do 38 percent of the doctoral students. At Freie Universität Berlin, you will meet people from all over the world.

Various support services are available for students. In particular, students who are new to a German university and to Berlin will profit from these services, for example, the introduction week, the mentorship programme, or the Student Services Centre. UniSport offers programmes ranging from Aikido to Zumba, which are very popular among students. The many cafeterias and canteens on campus offer food and drinks; this also usually includes fair trade, organic, vegetarian, and vegan options. Environmental protection and sustainability are generally important topics at Freie Universität Berlin, and there are many opportunities to get involved in related activities offered by students and the university.



University location

Freie Universität Berlin is one of the major universities in the capital of Germany. It is located in the green district of Dahlem, in the south-western part of the city. There is no other campus in Berlin that is as green as the campus of Freie Universität Berlin. You can simply step out of the university buildings to enjoy outdoor activities: lunch on one of the many terraces and rooftops, swimming in the nearby lakes, or reading between cherry and apple trees. Dahlem is also home to one of the biggest botanical gardens in Europe. By using public transport, you can easily access the heart of Berlin and enjoy its cultural life and diversity. The U3 subway line connects Dahlem with the popular and central districts of Schöneberg, Kreuzberg, and Friedrichshain; however, all of the other districts can also be easily reached.

Contact

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🌐 Course website: <https://www.bcp.fu-berlin.de/en/studium-lehre/studiengaenge/chemie/master/>

📘 <https://www.facebook.com/freieuniversitaetberlin/>

🐦 https://twitter.com/fu_berlin

🌐 <https://www.linkedin.com/school/freie-universitat-berlin/>

📷 https://www.instagram.com/fu_berlin/

📺 <https://www.youtube.com/c/FreieUniversitaetBerlin>

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International Programmes in Germany - Database

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Editor

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Consortium for International Higher Education Marketing
www.gate-germany.de

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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