



Deutscher Akademischer Austauschdienst
German Academic Exchange Service



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Master's degree



Master of Science in Soft Matter and Materials

Johannes Gutenberg University Mainz • Mainz

Overview

Degree	Master of Science in Soft Matter and Materials
In cooperation with	Technical University of Darmstadt
Teaching language	<ul style="list-style-type: none">English
Languages	Courses are held in English. Participants have to write the Master's thesis 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>From 1 April through 1 September for the following winter semester From 1 October through 1 March for the following summer semester</p> <p>(Note that these deadlines may be subject to change. Please consult the programme website or find more information 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>The Master of Science in Soft Matter and Material is a jointly offered, research-focused degree programme with an increasing emphasis on practical components. It is offered by Johannes Gutenberg University Mainz (JGU) and the Technical University of Darmstadt, both members of the Rhine-Main Universities Alliance.</p> <p>The study of soft matter and soft materials requires a comprehensive understanding of physics and chemistry in this field. The goal of the Soft Matter and Materials Master's programme is to provide technical knowledge and conceptual competence in the production of building blocks (e.g. polymers, supramolecular tectons, colloids) and in the structure-dynamics-property relationships of soft matter and materials. Functional concepts will be taught using both general synthetic components and biologically-relevant components.</p>

Knowledge of the technical processing and industrial utilisation of soft materials will round off the training. All teaching and learning content will be in English.

Course Details

Course organisation	<p>The first two semesters of the programme lay the physical and chemical foundations and take place exclusively on the Mainz and Darmstadt campuses, respectively. Following the initial two semesters, the programme offers research-focused content that can be flexibly selected. Throughout all semesters, there is a gradual increase in practical components.</p> <p>As early as the second semester (assuming you start your studies in the winter semester), students will be offered a module in which they can choose two of four main subjects, e.g. polymers at interfaces, sustainable polymer chemistry, and technical polymer science. In the third semester, students will choose two research modules from a wide range of courses offered by the chemistry and physics faculties of TU Darmstadt and Mainz University (JGU) as well as the Max Planck Institute for Polymer Research Mainz. In addition, a flexible module is available where students can choose from several current offerings each semester.</p>
A Diploma supplement will be issued	Yes
Integrated internships	An internship is not a mandatory part of the programme, but students are encouraged to pursue an internship and will be supported in their search for intern positions at private companies and public institutions.
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	The Johannes Gutenberg University Mainz charges an administrative fee of approx. 350 EUR per semester. This includes a public transport ticket, which allows you to use buses, trams, and the underground for free in Mainz and in the surrounding area (such as Frankfurt or Wiesbaden).
Costs of living	The cost of student housing varies between 350 EUR and 500 EUR (check http://www.studying.uni-mainz.de/accommodation-2/ for more details on accommodation). The price for a lunch on campus is around 3 to 4 EUR. The German Academic Exchange Service also offers information on the cost of living in Germany. Please see https://www.study-in.de/en/plan-your-stay/money-and-costs/cost-of-living_28220.php for further information.
Funding opportunities within the university	No

Requirements / Registration

Academic admission requirements	<ul style="list-style-type: none">• Academic admission requirements include a Bachelor's degree in Chemistry, Chemical Engineering, Physics, or Materials Science from a university in Germany or abroad that is not significantly different from the JGU.• Evidence of practical laboratory exercises amounting to at least 18 credit points (CP), with a portion of it completed using chemical working techniques• Evidence of achievements in molecular sciences amounting to at least 3 CP• Evidence of achievements in thermodynamics amounting to at least 3 CP• Achievements that were not completed during the Bachelor's degree may also be taken into account. The examination board will decide on this.
Language requirements	<p>This programme is offered entirely in English. The prerequisite for admission to this programme is a minimum proficiency in English at the C1 level according to the Common European Framework of Reference for Languages. Level C1 can be proven by any one of the following:</p> <ul style="list-style-type: none">• Cambridge Certificate of Advanced English (C1 Advanced), minimum grade C, B, A (180–199)• Cambridge Certificate of Proficiency in English Level C1• Exam for the Certificate of Proficiency in English (ECPE)• International English Language Testing System (IELTS including IELTS Indicator, minimum 7 points)• Michigan English Test (MET) four skills, each 64–80• Oxford On-Line Placement Test (OOPT) 80–99• PTE (Pearson Test of English) Academic 76–84• telc English C1• telc English B2–C1 University (C1 certificate)• TOEFL (Test of English as a Foreign Language) itp 627• TOEFL (paper/computer-based test, CBT) 550/213• TOEFL (Internet-based test, IBT includes Special Home Edition) 95–113• TOEFL essentials 10–11.5• TOEIC listening 490, reading 455, speaking 200, writing 200• Degree from an English-language course of study
Application deadline	<p>From 1 April through 1 September for the following winter semester From 1 October through 1 March for the following summer semester</p> <p>(Note that these deadlines may be subject to change. Please consult the programme website or find more information here.)</p>
Submit application to	https://jogustine.uni-mainz.de

Services

Possibility of finding part-time employment	The Rhine-Main area offers a rich array of job opportunities both in the private sector and at public institutions. Particularly successful students may also qualify for part-time jobs as research assistants or tutors.
Accommodation	There are numerous shared houses or apartments available, as well as rooms in student housing, which make living affordable and provide opportunities to connect with other students. More information is available here .
Career advisory service	The career service centre at Johannes Gutenberg University supports students and graduates in

choosing their careers, planning their professional futures, and acquiring interdisciplinary skills. The centre offers a variety of services, such as counselling, workshops, and recruiting events. More information is available [here](#).

Support for international students and doctoral candidates

- Welcome event

General services and support for international students and doctoral candidates

The International Study and Language Center (ISSK) at Johannes Gutenberg University Mainz offers free German language courses at all levels (from A1 to C1) to international students. In addition, our mentoring programme assigns a faculty member as an academic contact to each new student. In the first semester, students are invited to a personal meeting to get in touch with their academic contact and fellow mentees. Students may turn to their academic contact for advice and support throughout their studies.

International Office:

<https://www.international-office.uni-mainz.de/>

Contact

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🌐 Course website: <https://studyoffice.chemistry.uni-mainz.de/soft-matter-and-materials/>

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

🐦 https://twitter.com/uni_mainz_eng

🌐 <https://www.linkedin.com/school/unimainz/>

📷 <https://www.instagram.com/unimainz/>

📺 https://www.youtube.com/channel/UCVv_NeSAJ64qrkWP5INzbcg

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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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