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Master of Science in Polymer Materials Science • Martin Luther University Halle-Wittenberg • Halle (Saale) ..................................................................................................................... 2
Master's degree

Master of Science in Polymer Materials Science
Martin Luther University Halle-Wittenberg • Halle (Saale)

Overview

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<td>Teaching language</td>
<td>English</td>
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<td>Languages</td>
<td>Courses are held in English.</td>
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<td>Programme duration</td>
<td>4 semesters</td>
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<td>Beginning</td>
<td>Winter semester</td>
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<td>Application deadline</td>
<td>Foreign students: 30 April German students: 31 August for the following winter semester</td>
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<td>Tuition fees per semester in EUR</td>
<td>None</td>
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<tr>
<td>Combined Master's degree / PhD programme</td>
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Description/content

Polymer Materials Science is an interdisciplinary English language Master’s programme in the field of polymer science. You will obtain a multifaceted education in one of the central industrial growth sectors. Nowadays, polymer research is performed as a multidisciplinary collaboration among physicists, chemists, and engineers who are seeking new knowledge on making, characterising, processing, and understanding the molecular basis of novel functional materials. Our course programme is research oriented and offers a polymer synthetic or a polymer physical specialisation. It thus qualifies you for work in industry as well as advanced training on the PhD level.

Faculty of Natural Sciences II - Chemistry, Physics and Mathematics

Our faculty, with its two Institutes of Chemistry and Physics, is prominently oriented towards research in the broad area of condensed matter and materials science. About one quarter of the 30 professorships and research groups work in the area of macromolecular science and soft matter. Synthetic polymers are the main topic of the Experimental and Theoretical Polymer Physics Groups, the Macromolecular Chemistry Group, the Physical Chemistry of Polymers Group, the Nuclear Magnetic Resonance (NMR) Group as well as the Materials Science Group. Several other groups at the Max Planck and Fraunhofer Institutes, as well as at the Center of Engineering Sciences and the Life Science Faculties, have activities in the polymer field and are actively contributing to the teaching provided within the Master’s programme.

Main focus:
Course Details

Course organisation

General Modules:
- Basics of Materials and Polymer Physics (10 ECTS) (semester 1)
- Introduction to Polymer Research (15 ECTS) (semester 3)
- Polymer Chemistry (10 ECTS) (semester 1)
- Polymer Physics (10 ECTS) (semester 2)
- Polymer Engineering (10 ECTS) (semesters 1&2)
- Polymer Engineering Science (8 ECTS) (semester 3)
- Polymer Physical Chemistry (10 ECTS) (semesters 1&2)

One advanced Module (10 ECTS, semester 2):
Advanced Polymer Chemistry OR
Advanced Polymer Engineering (10 ECTS) OR
Advanced Polymer Physics (10 ECTS)

One Master’s thesis related specialisation (7 ECTS, semester 3)
- Polymer Engineering Focus
- Polymer Science Focus

Final Master’s thesis (30 ECTS, semester 4)

International elements
- International guest lecturers

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
220 EUR per semester incl. public transport in the area

Costs of living
Approx. 720 EUR per month
Requirements / Registration

**Academic Admission Requirements**

Suitable applicants for the course have a Bachelor’s degree (BSc) in Chemistry or Physics (and related topics, e.g., pharmacy, textile industry, with verified relation to basic chemistry) or in Materials Science.

- Grade 2.5 or better
- English language certificate e.g., IELTS 6.0 or better

**Language requirements**

- TOEFL (at least 213/550), IELTS (at least band 6.0) or UNIcert-II (writing and speaking) for applicants whose native language is not English.

**Application deadline**

- Foreign students: 30 April
- German students: 31 August

**Submit application to**

Martin Luther Universität Halle Wittenberg
c/o uni-assist e.V.
11507 Berlin
Germany

Services

**Possibility of finding part-time employment**

Several assistant jobs (research, measurements) after the first (passed) semester

**Accommodation**

- Single apartments in student hostels at or near the campus offered by the Studentenwerk (Student Services, see: https://tl1host.eu/SWHAL/#home)
- Single/double apartments near the campus from a private provider

All apartments are furnished. The price is about 200 EUR per month. Reservations are necessary!

Specific specialist or non-specialist support for international students and doctoral candidates

- Welcome event

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Martin Luther University Halle-Wittenberg

Martin Luther University, founded in 1502, is one of the oldest German universities. Today, about 20,000 students are matriculated. Our university offers excellent up-to-date equipment and libraries that facilitate the teaching of all essentials for your professional career, plus a wide range of leisure facilities (sports centre, student clubs, etc.).
University Location

Located 100 km south of Berlin, Halle is a centre of science, culture and industry in the eastern part of Germany. Our city is located about 20 km from the Leipzig-Halle airport.

Contact

Martin Luther University Halle-Wittenberg
Naturwissenschaftliche Fakultät II

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polymat@natfak2.uni-halle.de
Course website: http://www.natfak2.uni-halle.de/studium/polymat/

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