



Deutscher Akademischer Austauschdienst
German Academic Exchange Service



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Master's degree

Overview

Degree	Master of Science in Physics
Teaching language	<ul style="list-style-type: none">English
Languages	Most of the courses are held in English. Only a few non-compulsory courses are taught in German. The programme can be completed with English as the only language of instruction. German courses for non-German speaking students are offered on campus.
Full-time / part-time	<ul style="list-style-type: none">full-time
Programme duration	4 semesters
Beginning	Winter and summer semester
Application deadline	German and EU applicants: 15 September for the following winter semester, 15 March for the following summer semester Non-EU applicants: 15 June for the following winter semester, 15 January for the following summer semester Applications are usually processed within six weeks of receipt.
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's programme in Physics at the Heinrich Heine University Düsseldorf is a programme which is specially tailored to let the students take advantage of our particular strengths. The main research topics at the Department of Physics are soft matter physics, solid state physics & nanophysics, quantum optics & quantum information, plasma physics and medical physics\biophysics. Every Master's student has to choose two of these research topics as focus areas. Each focus area contains an experimental as well as a theoretical module. At the end of the programme, research work is carried out in one of the research groups at the Department of Physics during the Master's thesis.</p> <p>Additional modules in other areas of physics, such as laser physics, astrophysics, computational physics, and advanced quantum mechanics are offered on a regular basis.</p>

Course Details

Course organisation

In the first year, the modules typically consist of lectures in combination with exercise classes. In the second year, the emphasis is on seminars, practical courses, and research work.

First year:

- two focus areas (two modules each) to be chosen from our main research topics
- four elective physics modules to be chosen from the remaining research topics: laser physics, computational physics, astrophysics, advanced quantum mechanics, and others
- general elective modules (typically German language courses for international students)

Second year:

- state-of-the-art research in one of the focus areas at an international level
- first half of second year: additional elective physics modules and specialisation module (emphasis on practical training of methods and tools for research work; detailed knowledge up to the state-of-the art level)
- second half of second year: thesis research (experimental or theoretical; guided, but independent) in the chosen specialisation

We encourage the personal interaction between students and teachers. We enjoy an excellent teacher-student ratio.

A Diploma supplement will be issued

Yes

Course-specific, integrated German language courses

Yes

Course-specific, integrated English language courses

Yes

Costs / Funding

Tuition fees per semester in EUR

None

Semester contribution

A semester fee of approx. 320 EUR is required upon registration/enrolment as a student or doctoral researcher. This fee covers transport by bus, tram, and regional trains within North Rhine-Westphalia for the entire semester as well as the use of student facilities.

Costs of living

Students or doctoral researchers should calculate monthly expenses amounting to at least 1,000 EUR in order to live in a modest way, including costs for housing, food, health insurance, semester fees, study materials, etc.

Funding opportunities within the university

No

Requirements / Registration

Academic admission requirements Bachelor's degree (or equivalent) in Physics is required. A transcript of records in which all courses are listed should be provided together with the application. For admission, it is required that the admission committee determine if the academic qualification of the applicant meets the standards of the Bachelor's programme in physics at Heinrich Heine University Düsseldorf. The GRE General and GRE Physics tests are strongly recommended, especially for applicants from outside the EU.

Language requirements Proof of sufficient command of English (e.g., TOEFL 80 (Internet-based), IELTS 6.0) must be submitted together with the application. For further details contact: admissions.physics@uni-duesseldorf.de

Application deadline German and EU applicants: 15 September for the following winter semester, 15 March for the following summer semester
Non-EU applicants: 15 June for the following winter semester, 15 January for the following summer semester
Applications are usually processed within six weeks of receipt.

Submit application to Heinrich-Heine-Universität Düsseldorf
Wissenschaftliche Einrichtung Physik
- Zulassung -
Prof Dr Axel Görlitz
Universitätsstraße 1
40225 Düsseldorf
Germany

Services

Possibility of finding part-time employment A limited number of campus jobs are available. Students from non-EU countries are permitted to work 240 half days or 120 full days per calendar year without a work permit.

Accommodation On-campus student accommodation is available, as is private accommodation near campus. For further information, please check <http://www.stw-d.de> or send an e-mail to info@stw-d.de. Doctoral students can contact the tutor service of the Junior Scientist & International Researcher Centre (JUNO) for information and support concerning accommodation in Düsseldorf (www.juno.hhu.de/en/tutorservice).

Depending on the type of accommodation, the monthly rent in Düsseldorf usually ranges from around 500 to 600 EUR for a basic apartment or a room in a shared apartment ("Wohngemeinschaft").

Support for international students and doctoral candidates

- Welcome event
- Buddy programme
- Cultural and linguistic preparation
- Tutors
- Accompanying programme
- Specialist counselling

Contact

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🌐 Course website: <https://www.physik.hhu.de/en/studium-und-lehre/studiengaenge/msc-physics>

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International Programmes in Germany - Database

www.daad.de/international-programmes
www.daad.de/sommerkurse

Editor

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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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