



Deutscher Akademischer Austauschdienst  
German Academic Exchange Service



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# Doctorate



## IMPRS for Science and Technology of Nano-Systems (IMPRS-STNS)

Max Planck Institute of Microstructure Physics • Halle (Saale)

### Overview

Degree	Doctoral degree (Dr rer nat or Dr Ing)
Doctoral degree or degree awarded by	Martin Luther University Halle-Wittenberg
Teaching language	<ul style="list-style-type: none"><li>English</li></ul>
Languages	Courses are held in English. Participants can choose to write their doctoral theses in English or German.
Programme duration	6 semesters
Beginning	Only for doctoral programmes: any time
Application deadline	There is no application deadline. Please refer to <a href="https://www.mpi-halle.mpg.de/imprs-application">https://www.mpi-halle.mpg.de/imprs-application</a> for details.
Tuition fees per semester in EUR	None
Combined Master's degree / PhD programme	No
Joint degree / double degree programme	No
Description/content	<p>The International Max Planck Research School links the Max Planck Institute of Microstructure Physics with the Martin Luther University Halle-Wittenberg and the Fraunhofer Institute for Microstructure of Materials and Systems, Halle, to carry out research into novel atomically engineered materials for nanosystems - tackling grand societal challenges in the fields of information technology and sustainability.</p> <p>The primary areas of advanced research include Spintronics, Oxides and Interfaces, Atomically Engineered Materials, Computational Materials Discovery, Topological Materials, Non-Equilibrium Materials, and Routes to Room Temperature Superconductivity.</p> <p>IMPRS-STNS fosters interdisciplinary research, provides courses in entrepreneurship, offers support with technology transfer, and provides career counselling for admitted PhD students.</p> <p>We provide outstanding young scientists with a doctoral contract to cover their living expenses during their journey to a doctorate. Candidates are selected through a competitive process. English is the language of instruction for all courses and is also the working language in the laboratories.</p>

## Course Details

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**Course organisation** IMPRS-STNS is a dynamic school that tailors its teaching to each doctoral student individually. In addition to their research projects, IMPRS-STNS graduates are given the opportunity to take part in a complementary training programme.

These activities include the following:

- Seminars
- Lectures within the field of Science and Technology of Nano-Systems
- Thesis Advisory Committee (TAC)
- Mentoring
- Complementary skills training
- Career counselling
- German language courses
- Yearly retreats, summer/winter schools
- Secondments
- Workshops, events organised by students

**A Diploma supplement will be issued** Yes

**International elements**

- International guest lecturers
- Language training provided
- Training in intercultural skills
- Projects with partners in Germany and abroad

**Integrated internships** Doctoral candidates are encouraged to spend some time abroad during the PhD programme.

**Special promotion / funding of the programme**

- IMPRS

**Course-specific, integrated German language courses** Yes

**Course-specific, integrated English language courses** No

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## Costs / Funding

**Tuition fees per semester in EUR** None

**Semester contribution** 270 EUR per semester. There are two semesters per year; one from April to September (summer semester) and the second from October to March (winter semester). Doctoral candidates can choose if they want to benefit from a doctoral student status. It is not mandatory to be enrolled.

**Costs of living** The costs of living amount to 300 EUR per month. Rent is not included in this estimate. Rent for an apartment usually amounts to an additional 400-500 EUR (including costs for heating, water, electricity).

For the acceptance as a doctoral candidate at the title-issuing faculty, applicants with a degree that was not earned at a German university must submit a Statement of Comparability for Foreign Higher Education Qualifications from the Central Office for Foreign Education as proof of equivalence. This is a one-time cost of approx. 200 EUR, which has to be covered in the first year of the doctoral programme.

<b>Funding opportunities within the university</b>	Yes
<b>Description of the above-mentioned funding opportunities within the university</b>	Doctoral candidates of the IMPRS-STNS typically get funded through a doctoral contract either by the programme or the connected members. We encourage completion within three years.

## Requirements / Registration

<b>Academic admission requirements</b>	A very good Master's degree in physics, chemistry, materials sciences, engineering, or in a related field
<b>Language requirements</b>	A very good command of the English language is mandatory and must be proven with a standard English test (TOEFL or similar).
<b>Application deadline</b>	There is no application deadline. Please refer to <a href="https://www.mpi-halle.mpg.de/imprs-application">https://www.mpi-halle.mpg.de/imprs-application</a> for details.
<b>Submit application to</b>	<a href="https://www.mpi-halle.mpg.de/imprs-application">https://www.mpi-halle.mpg.de/imprs-application</a>

## Services

<b>Accommodation</b>	Members of IMPRS-STNS can find accommodation in one of the student residences, the guest houses of the MPG, or privately. Halle has an abundance of living space, and rents are fairly cheap. A suitable one room flat can be found for about 300-400 EUR per month.
<b>Structured research and supervision</b>	Yes
<b>Research training / discussion</b>	Yes
<b>Career advisory service</b>	We offer a career advisory service to our doctoral students. A special focus is placed on the transition to the first job after the completion of the doctoral degree.
<b>Support for international students and doctoral candidates</b>	<ul style="list-style-type: none"><li>• Buddy programme</li><li>• Specialist counselling</li><li>• Visa matters</li></ul>

# Contact

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IMPRS-STNS

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🌐 Course website: <https://www.mpi-halle.mpg.de/imprs-stns>

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# International Programmes in Germany - Database

[www.daad.de/international-programmes](http://www.daad.de/international-programmes)

[www.daad.de/sommerkurse](http://www.daad.de/sommerkurse)

## Editor

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## GATE-Germany

Consortium for International Higher Education Marketing

[www.gate-germany.de](http://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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