Deutscher Akademischer Austauschdienst
German Academic Exchange Service

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Master's degree

IMPRS Physics and Medicine

Max Planck Institute for the Science of Light • Erlangen

Overview

Degree	Master's degree in Physics, Engineering or Medicine
In cooperation with	• Friedrich-Alexander University Erlangen-Nürnberg (FAU) • University Hospital Erlangen (UKER)
Teaching language	• English
Languages	The main language of social and scientific interaction is English. Free German classes are offered at the Max Planck Institute and FAU
Programme duration	4 semesters
Beginning	Winter semester
Application deadline	Applications for the IMPRS are possible until 15 January and 7 June for the academic year starting in the following October. Decisions are communicated by 1 March and 1 July, respectively.
Tuition fees per semester in EUR	None
Combined Master's degree / PhD programme	Yes
Joint degree / double degree programme	No
Description/content	The IMPRS Physics and Medicine (IMPRS-PM) at the Max-Planck-Zentrum für Physik und Medizin (MPZPM) is a highly innovative new graduate programme established in January 2022. IMPRS-PM educates and trains a new generation of scientists with insight into both physics and medical research. In collaboration with the Friedrich-Alexander University Erlangen-Nürnberg (FAU), we offer MSc stipends and PhD positions. The language of instruction and interaction of our structured graduate programme is English. Knowledge of the German language is not required, but we also offer German language classes at MPL and FAU. The programme offers graduate studies in physics and medicine to students who already hold a Bachelor's degree. IMPRS Master's students will either be part of the "International Master's Programme Integrated Life Sciences (ILS)" or the "Master of Sciences in Physics" at the Faculty of Natural Sciences, the "Master's Programme Medical Engineering" at the Faculty of Engineering or the "Master's Programme Molecular Medicine" at the Faculty of Medicine at FAU.

More information about the programme can be found athttps://mpzpm.de/study-work-or-visit/graduate-programs/physics-and-medicine/welcome.

For details about the application procedure, please have a look athttps://mpzpm.de/study-work-or-visit/graduate-programs/physics-and-medicine/application/application-for-master-studies.

Course Details

Course organisation	The IMPRS curriculum can be found athttps://mpzpm.de/study-work-or-visit/graduate-programs/physics-and-medicine/structure/curriculum. For more information about the MSc courses, please refer to the FAU websites.
International elements	• International guest lecturers • Specialist literature in other languages • Language training provided • Projects with partners in Germany and abroad • Training in intercultural skills • Study trips
Integrated internships	An internship is not required for this programme. Collaboration with other research groups (including international ones) might be necessary depending on the research topic.
Special promotion / funding of the programme	• IMPRS
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	118 EUR at FAU
Funding opportunities within the university	No

Requirements / Registration

Academic admission	Bachelor's degree in physics or medicine

requirements	
Language requirements	Proof of English proficiency is required.
Application deadline	Applications for the IMPRS are possible until 15 January and 7 June for the academic year starting in the following October. Decisions are communicated by 1 March and 1 July, respectively.
Submit application to	For more information, please have a look at the following website: https://mpzpm.de/study-work-or-visit/graduate-programs/physics-and-medicine/application/application-for-master-studies

Services

Accommodation	Erlangen and Nürnberg are attractive cities with historic flair and modern infrastructure. The Welcome Centre will do its best to assist new students in finding accommodation.
Career advisory service	The IMPRS coordination office serves as first contact for all IMPRS students. Additional skills courses, e.g. career development workshops, are also organised within the context of IMPRS. Administrative issues are also solved by the welcome centres at MPL and FAU.
Support for international students and doctoral candidates	• Buddy programme • Accompanying programme • Welcome event • Tutors • Specialist counselling • Visa matters

Our Partners

FAU
Friedrich-Alexander-Universität Erlangen-Nürnberg

Max Planck Institute for the Science of Light

Friedrich-Alexander-Universität Erlangen-Nürnberg

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Founded in 1743, Friedrich Alexander University of Erlangen-Nürnberg (FAU) is a strong research university with an international perspective and one of the largest universities in Germany, with approx. 40,000 students.

With five faculties, the university offers classes and research opportunities in a wide range of subjects. At the Master's level in particular, many subjects are taught entirely in English.

FAU is a leading academic institution with internationally recognised, interdisciplinary research in a variety of fields, including: i) new materials and processes, ii) optics and optical technologies, iii) molecular life science and medicine, iv) medical engineering, v) electronics, information, and communication, vi) energy, environment and climate, vii) language, culture, and region, and viii) cohesion, transformation, and innovation in law and economics.

The university receives special federal funding for the following high-profile research initiatives: the Cluster of Excellence "Engineering of Advanced Materials", the Erlangen Graduate School in Advanced Optical Technologies, the "Medical Valley" Leading Edge Cluster in Health Technology, and the International Consortium for Research in the Humanities "Fate, Freedom, and Prognostication". FAU offers outstanding research conditions for graduate students, doctoral candidates, and young researchers. It provides a state-of-the-art scientific infrastructure as well as intensive research mentoring and support. FAU students receive world-class training in an inspiring environment with access to exciting international exchange opportunities and excellent career prospects. The global vision of the university is exemplified by the recently established FAU Busan Campus in South Korea.

FAU benefits from collaborations with other renowned research institutions in Erlangen and Nuremberg, including the Max Planck Institute for the Science of Light, the newly founded Helmholtz Institute Erlangen-Nürnberg for Renewable Energy, and two Fraunhofer Institutes. Further information can be found at http://www.fau.eu/university.

Location

FAU's two main sites, the cities of Erlangen and Nuremberg, are located at the heart of the Nuremberg Metropolitan Region. It is one of Germany's most dynamic economic areas, with over 3.5 million inhabitants. As a powerhouse for innovation, the university contributes to identifying and addressing technological, social and cultural challenges.
Both Erlangen with its approx.100,000 inhabitants and Nuremberg with half a million inhabitants have their own charm and offer ample opportunities for cultural and leisure time activities as well as sports.

Especially in Erlangen, students and young researchers from all over the world as well as employees of globally operating companies create a vibrant, international atmosphere. The region's lively cultural scene and events such as the famous Erlangen beer festival ("Bergkirchweih"), the Nuremberg Christmas Market ("Christkindlesmarkt") and FAU's "Schlossgartenfest" attract visitors from near and far. While Nuremberg was the home of important artists such as Albrecht Dürer and the Nuremberg Renaissance, visitors are also attracted to its castle and the old town's half-timbered houses. Every other year, the research institutions in Erlangen, Nuremberg, and Fürth hold the "Long Night of Sciences". Nature enthusiasts will find the Fränkische Schweiz a paradise for climbing, mountain biking, hiking, and water sports.

FAU is firmly rooted in the Nuremberg Metropolitan Region and is an important partner for companies, industry, politics, culture, and society. FAU graduates benefit from the Metropolitan Region's perfect conditions when embarking on their professional or academic careers.
The biggest strengths of the Metropolitan Region are transport and logistics, information and communication, medicine and pharmaceutics, energy, power electronics and environment, new materials, automation technology, and innovative services. Branches of all large banks and insurance companies are located in the region.

Contact

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https://twitter.com/IMPRS_PM

https://www.linkedin.com/in/imprs-physics-and-medicine-089546247/

https://www.instagram.com/imprs.physmed/

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