Curriculum

4. Semester (34 CP)	Major Subject Module III (4 CP)	Master Thesis (30 CP)		
3. Semester (26 CP)	Major Subject Module II (8 CP)	Practical Research Laboratory II (12 CP)		Non-Physical Subject II (6 CP)
2. Semester (30 CP)	Major Subject Module I (12 CP)	Minor Subject Module (12 CP)		Practical Research Laboratory I (6 CP)
1. Semester (30 CP)	Basic Module 1 Advanced Experimental Physics (8 CP)	Laboratory (4 CP)	Basic Module 2 Advanced Theoretical Physics (8 CP)	Laboratory (4 CP)	Non-Physical Subject I (6 CP)

CP - Credit Points according to the ECTS.

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Universität Rostock

MATHEMATISCH-NATURWISSENSCHAFTLICHE FAKULTÄT

Adviser for this academic program / Studienfachberatung
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Fon + 49 (0)381 498-6944
reinhard.mahnke@uni-rostock.de
www.physik.uni-rostock.de/master-in-physics.html

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D 18057 Rostock
Fon + 49 (0)381 498 1253
studienberatung@uni-rostock.de
www.uni-rostock.de/en/studies.html

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Master of Science in Physics

(International Program)

FACULTY OF MATHEMATICS AND NATURAL SCIENCES

Abschluss / Degree

Master of Science (M.Sc.)

Studienform / Type of Program

Weiterführend / consecutive

Regelstudienzeit / Duration

4 Semester / 4 semesters

Studienbeginn / Start Date

Jährlich zum Wintersemester (01.10.) / Annually with the winter semester (Oct. 1)

Studienfeld / Field of Study

Physik / physics

Formale Voraussetzungen / Formal Requirements

Bachelor of Science in Physik, Englische Sprachkenntnisse / Bachelor of Science in Physics, English language skills

Vorbereitungskurse / Preparation Courses for Applicants

Unterstützung von Anfang an: Orientierung und Integration am Hochschulort Rostock (4 Wochen im September/Oktober) / Support from the beginning: Orientation and Integration in the City of Rostock (4 weeks in September/October)
Kontakt / Contact: International Office of Rostock University
Register by e-mail: auslaenderstudium@uni-rostock.de

Promotion / Study for a Doctorate

Integriertes Graduiertenkolleg / Integrated Research Training Group: www.physik.uni-rostock.de/grk/
International Postgraduate Program: Science of New Materials: www.uni-rostock.de/ipp/

Master of Science in Physics (International Program)

This university

Rostock University has a policy of constantly enhancing its international diversity. In this context the Institute of Physics offers a Master's degree program tailored to the needs of foreign students. In an independent evaluation this institute has recently been ranked top in teaching quality among all physics departments throughout the German-speaking countries (Germany, Austria, Switzerland). At the same time the Institute of Physics receives high marks for its top-notch research.

Specializations

We offer the following choices:

- Optics and Laser Physics
- Physics of Nanomaterials
- Physics of Particles and Fields
- Physics of Atmosphere and Oceans

Language

All courses are available in English. Students interested in the German language can choose to hear equivalent courses in German.

Thesis

During the second year, students join one of our research groups and work towards preparation of their master thesis in an actual research project.

Degree

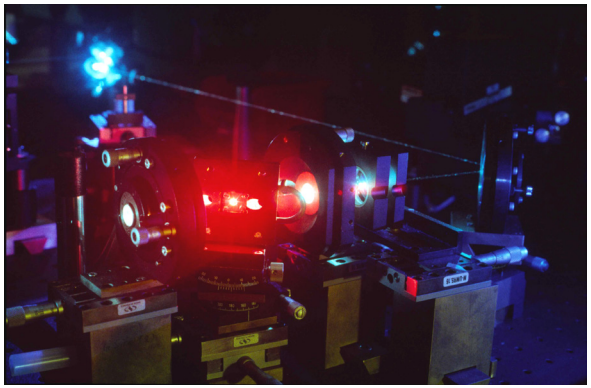
The successful student is awarded the degree of a Master of Science. Degrees conferred by German universities have a stellar reputation worldwide.

Master of Science in Physics (International Program)

Employment opportunities

Graduates will be qualified to find employment in a wide range of professions. Employers include commercial enterprises in all fields of technology, including computer and information technology, environmental monitoring and protection, telecommunication, and many more, as well as public and private universities and research laboratories. The degree is also the launch point for any scientific career.

Physics deals with items big and small: from the most minute elementary particles to the vastness of the universe as a whole. Quantitative methods are used to analyze the complexity of things around us. For this reason, methods and results from physics are often applied to fields such as chemistry, biology, or engineering – this widens the options for career paths available to holders of a degree in physics. Past experience shows that even careers as management consultants or in the insurance industry are pursued frequently and successfully.



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