



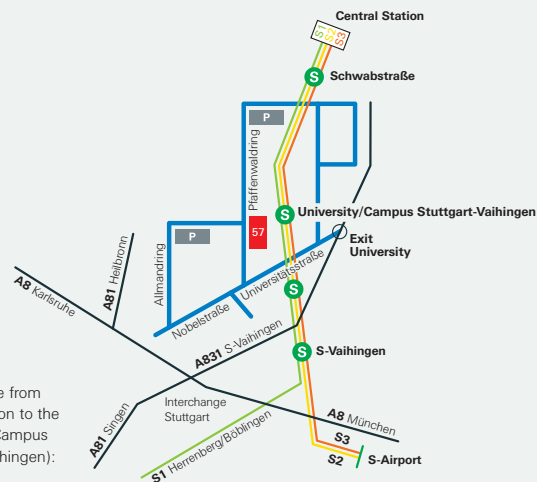
University of Stuttgart
Germany

Contact

International M. Sc. Program PHYSICS
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physik fakultät 8

University of Stuttgart

Founded in 1829, the University of Stuttgart is situated in the middle of a highly dynamic economic region with a world-wide reputation for excellence. The university emphasizes natural sciences and engineering, with programs; however, combining these areas with humanities and social sciences adds a special quality to its profile. The university hosts about 25.000 students, enrolled in over 150 institutes and 10 faculties. At an astounding 20%, the international student population is far above average.

www.uni-stuttgart.de



Department of Physics

The physics department at the University of Stuttgart and local Max Planck Institutes on solid state research and intelligent systems are well known for their outstanding scientific research on solid state physics, atom and quantum optics, photonics, soft matter physics, strongly correlated many-body systems, physical modeling, and numerical simulation. Its high-ranking international reputation and excellent facilities attract scientists from all over the world.

www.physik.uni-stuttgart.de

City of Stuttgart

Stuttgart is the state capital of Baden-Württemberg with a population of 600.000; located in southern Germany, it sits close to the Swabian Alps and the Black Forest region. The city offers a large number of cultural highlights, such as the State Opera, the State Gallery, museums, ballet, theaters, and concert and music halls. With its charming position between forests and vineyards living here is a pleasure as Stuttgart offers a wide range of attractive leisure activities. Due to its centralized location, the neighboring European countries of France, Switzerland, and Austria are easy to visit within a few hours by car or train.

The city of Stuttgart is an industrial center, specializing in high-tech industries, like car manufacturers, electronics, and communication technology. Research departments of many renowned companies — such as Daimler, Porsche, and Bosch — are located in and around Stuttgart.

For more information about Stuttgart, please visit www.stuttgart.de

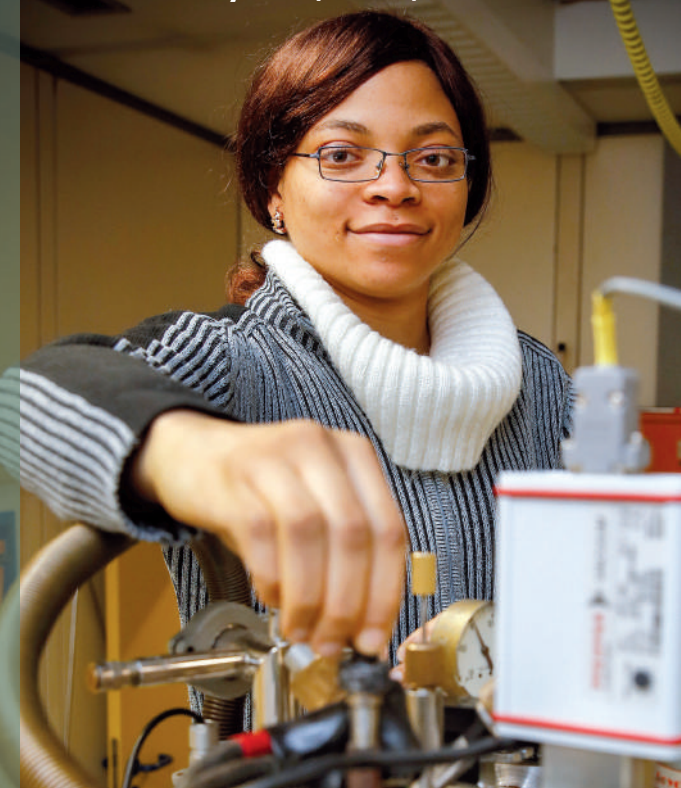


University of Stuttgart
Germany

PHYSICS

International Master's Program in general Physics (M.Sc.)

In cooperation with the Max Planck Institutes for Solid State Research and Intelligent Systems



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Master of Science in PHYSICS

Founded in 1999, the International Master of Science in Physics was established to offer students from foreign countries the opportunity to pursue their education at a top-tier university in Germany. The program is taught entirely in English, and provides a balance between courses in general physics and a rich variety of elective lectures for specialization. German students wishing to study in an international environment are welcome to join the program.

Excellence in education and teaching is ensured by the experience with international study programs at the university and a close connection to the research of the participating institutes. The focus of the program is to provide a postgraduate education in physics and aim at students interested in pursuing a scientific career in research and industry. Outstanding graduates of the program will have the opportunity to continue towards earning a PhD in Germany and many other countries without any further requirements.



Curriculum

The curriculum is divided into two parts. During the first and second semester, the lectures focus on a postgraduate education in general physics, lab courses, and seminars. Elective lectures allow for a specialization and may be chosen from a rich variety of topics in different fields of physics.

For the third and fourth semester, students concentrate on their Master's thesis. This research project is carried out in a physics institute at the university or any participating Max Planck Institute. Students are involved in the research activity of the institute, and their education then focuses on the skills required to perform state-of-the-art scientific research.

Schedule of Modules:

1 st Semester	2 nd Semester	3 rd Semester	4 th Semester
Advanced Experimental Physics 9 ECTS	Advanced Condensed Matter Physics 6 ECTS	Scientific Specialization 15 ECTS	
Advanced Quantum Theory 9 ECTS	Elective Lecture 2 9 ECTS	Practical Skills and Project Planning 15 ECTS	
Elective Lecture 1 9 ECTS		Master's Thesis 30 ECTS	
Advanced Physics Lab 12 ECTS			
Seminar in Physics 3 ECTS	Advanced Seminar in Physics 3 ECTS		
30 ECTS	30 ECTS	30 ECTS	30 ECTS

For more detailed information, please refer to www.msc.physics.uni-stuttgart.de

Admission Requirements

In order to apply, students must have:

- A Bachelor's degree in physics (minimum three years) or equivalent.
- An excellent academic record.
- Official proof of English language proficiency (TOEFL, IELTS or equivalent test)

A detailed list of requirements you find on our web page.

Application

Potential students may apply for the winter term only. Application deadline is beginning of the year for the upcoming winter semester.

Details about the application procedure are listed on our web page.

www.msc.physics.uni-stuttgart.de



Housing and Living

The main campus in Stuttgart-Vaihingen has on-site residence halls. Nearby sports facilities, libraries, shops, and restaurants ensure an ideal environment. Downtown Stuttgart and the central train station can be reached by the suburban railway from the campus within ten minutes. With attractive recreational possibilities in the surrounding area and the rich, cultural life of the city, the university provides the best conditions for studying and living. Right from their start in Germany, foreign students take part in a special welcome program. Various excursions, social programs, a welcome service, and German language courses are also offered. For more information, please take a look at the Office of International Affairs page:

www.ia.uni-stuttgart.de

Financial Aspects

Every semester, the university requires an administration fee of only 150. Living expenses – including rent – for a shared apartment amount to approximately 700 per month. For students in good academic standing, the physics institutes offer jobs that cover a part of any living expenses.

Fellowship

Excellent students are invited to apply for a fellowship offered jointly by the program and the participating Max Planck Institutes.

