

Facts and figures

Start: Winter and summer semesters Duration: 4 semesters Degree: Master of Science Language: German Admission not restricted

Application and enrolment



Admission requirements General admission requirements: www.uol.de/stud/213en

Language skills: German native speaker or DSH 2

Application Application deadline: 30 September or 31 March

German university degree: Online application www.uol.de/studium/bewerben/master

EU or international applicants: www.uol.de/en/application/international-students/master

Contact

For questions about the subject/degree programme Academic counselling for Physics www.uol.de/en/subject-specific-student-advice

Student representatives for Physics www.uol.de/en/student-bodies/ student-council-of-physics fsphysik@uol.de

For questions about your studies Study and Career Counselling Service www.uol.de/en/zskb

Basic questions about application and enrolment Student InfoLine Phone +49 441 798 - 2728 study@uol.de

Visitor address Student Service Centre – SSC Haarentor campus, building A12 26129 Oldenburg www.uol.de/en/students/service-advice

Further information

Physics website www.uol.de/en/physics/studies/courseofstudies/mphy www.uol.de/en/physics/research

Degree programmes at the University of Oldenburg www.uol.de/en/students/degree-programmes

Financing your studies www.uol.de/en/students/fees/financing-your-studies

Optional period abroad www.uol.de/en/going-abroad

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Physics





Physics (M. Sc.)

The Physics Master's programme is research-oriented and imparts comprehensive, in-depth knowledge within the overall discipline of physics. Furthermore, this degree programme trains students in the specialised areas of physics offered at the University of Oldenburg.

Students learn to carry out scientific work through the examination of current problems in an independent, problem-oriented, interdisciplinary and responsible manner, presenting their results in a coherent way. They should be able to quickly grasp modern, complex issues and problems, independently and creatively develop effective solutions and devise practical applications for them.

Career opportunities

The Master's degree offers a wide variety of professional opportunities in various fields:

- Basic and applied physics research
- Technical development
- Teaching
- Banking and insurance
- Consulting
- Patents
- Administration
- Academic career (PhD)

Commenting on the excellent professional opportunities, the German Physical Society (DPG) writes: "We continue to face a shortage of qualified specialists. The current demand corresponds to almost two complete years of Physics graduates. And physicists will remain in demand in the future." (DPG press release 3/2010)

Structure and contents

UPGRADE MODULES 1	8 C P	
Compulsory modules		2
Experimental Physics / 6 CP Theoretical Physics / 6 CP Applied Physics / 6 CP		TER 1/
ADVANCED MODULES 4	2 CP	1ES
Elective modules		Ĩ.
Advanced Module I / 9 CP Advanced Module II / 9 CP Physical Elective Studies / 15 CP Physics internship for advanced students / 9 CP		0)
RESEARCH PHASE 3	30 CP	m
Elective modules		Σ
Subject specialisation / 15 CP Methods and Project Planning / 15 CP		S
COMPULSORY 3	80 CP	Μ.4
Master's thesis module		SE
MASTER OF SCIENCE	120	СР

Specialisation

The physics elective modules can be completed without exams and enable students to move on to more advanced studies in their chosen fields of physics.

The research phase in the third semester consists of two modules that together make up 30 CP. These modules support specialisation and prepare students for their Master's thesis.

