Facts and figures

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

Application and enrolment

Admission requirements
General admission requirements: www.uol.de/stud/209en
Language skills:
German native speaker or DSH 2
English native speaker or level B1

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

Further information

Computing Science website
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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Computing Science (M. Sc.)

The Department of Computing Science and its specialist fields deal with high-level, nationally and internationally important research fields, e.g. energy computing, human-computer interaction, medical computing and reliable systems. These specialist fields are integrated in the Master's programme in Computing Science through a wide range of corresponding modules. Students are optimally prepared for a subsequent career in one of these fields by their choices of elective modules, project groups and Master's thesis.

This type of specialisation within the Master's programme can also be considered an alternative to a specialist Master's programme of the type offered by other universities. For this purpose, thematically related modules that contribute to a specific profile are grouped together in specialisation tracks.

The following specialisation tracks are currently available:

- Automotive
- Energy Computing Science
- Human-Computer Interaction
- Complex Computing and Software Systems
- Artificial Intelligence
- Modelling and Analysis of Complex Systems
- Medical Computing Science
- Robotics
- Reliable Systems

A growing number of modules is offered in English, which boosts the language skills required on an international employment market. Students have a very large freedom of choice to specialise at their own initiative or based on recommendations.

Career opportunities

The Master qualification opens up opportunities in the following professions:

- Applications consultant
- Community manager
- Content manager
- Fraud analyst
- Game designer
- Geoinformatics specialist
- IT consultant, project coordinator, trainer
- Media specialist
- Online marketing manager
- Software developer
- Web designer

Career opportunities

The extremely flexible nature of the Computing Science Master's programme provides an excellent foundation for individual, specialised qualification.

Apart from the Master's thesis, the project group is another key element in the course. Students work in teams on a challenging software or hardware development and implementation task, applying the latest technology.

Graduates in other disciplines can also apply. Graduates with a Bachelor in a discipline related to Computing Science can often join the Master's programme. If additional specialist knowledge is required, students can take modules from the Bachelor's programme in Computing Science. They must pass these modules in the first year of the Master's programme.

Stay abroad

In order to effectively plan a semester abroad, we recommend that students start their project group in the first semester. In this case, students should contact the Academic Counselling Service during the Master's programme application phase to ask about currently available topics.