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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/328en

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

Contact

For questions about the subject/degree programme
Academic counselling for Business Informatics
www.uol.de/en/subject-specific-student-advice
msc.wirtschaftsinformatik@uol.de

Student representatives for Computing Science
www.fachschaft-informatik.de/doku.php
oldenburg@fachschaft-informatik.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

Business Informatics website
www.uol.de/en/computingscience/students/study-programs/bsc-business-information-systems

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

Carl von Ossietzky
Universität Oldenburg

Business Informatics

Master's degree

Business Informatics (M. Sc.)

During the Business Informatics Master's programme, students learn about a number of approaches that enable them to analyse, design, implement and use information systems within and between organisations. As future decision-makers and stakeholders, students should be able to understand the potential benefits of targeted information provision, in particular for the optimisation and design of information, material flows and cash flows within and between companies, and to achieve this by implementing appropriate information systems.
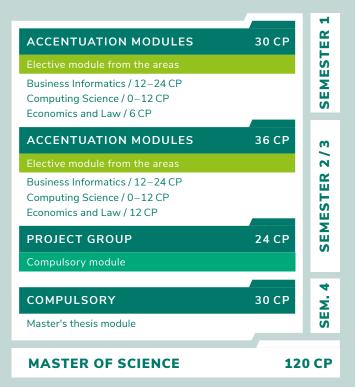
The Master's degree in Business Informatics provides students with a sound conceptual and methodological basis and prepares them for the employment market. An important objective of the programme is that students acquire essential problem-solving skills. Concrete products and case studies are used throughout the programme to illustrate approaches and help students implement these approaches. The programme takes account of the fact that information processing has a substantial influence on or is even essential to enable the strategies, structures, functions and processes of companies and corporate groups.

Career opportunities

The Master's degree qualifies graduates for leadership positions in teams and companies. Possible areas of employment are:

– Companies, public authorities and institutions that use information and communication systems to conduct their business processes
– Companies that develop, set up, support and operate informatics systems for company communication and information processing
– Software consulting and training, e.g. in website and e-Business consulting companies
– Academic career (PhD)

Structure and contents

ACCENTUATION MODULES	30 CP

Elective module from the areas

Business Informatics / 12–24 CP
Computing Science / 0–12 CP
Economics and Law / 6 CP

SEMESTER 1

ACCENTUATION MODULES	36 CP

Elective module from the areas

Business Informatics / 12–24 CP
Computing Science / 0–12 CP
Economics and Law / 12 CP

PROJECT GROUP	24 CP

Compulsory module

SEMESTER 2 / 3

COMPULSORY	30 CP

Master's thesis module

SEM. 4

MASTER OF SCIENCE	120 CP

Specialisation

The project group is a teaching format during which students perform a (software) project from start to finish over a whole year. Students are given a problem and tasked with complete development, from problem analysis to implementation of the system.

In addition to the methods and content covered throughout the programme, students also learn about working practices in the professional field (e.g. teamwork, division of work, taking responsibility). At the same time, they have the opportunity to develop skills such as how to process different content and substantiate specific arguments depending on the objective, as well as presentation and judgement skills. Typically students write their Master's thesis in the final semester. The thesis must demonstrate that the student is capable of working on a problem using scientific methods, within a fixed period of time.

The wide range of elective modules available means that students are largely free to design their own academic profile according to their capabilities and objectives. They can also choose a specialisation track. The individual specialisation tracks support students so that they know which modules best suit the profile they want to create.
The following specialisation tracks are available in the Business Informatics Master's programme:

– Sustainability Informatics and Corporate Environmental Management Information Systems
– Business Intelligence and Data Analytics
– Industrial Information Systems
– Systems Engineering for Data Science

Generally, students take five modules or 30 credit points. A specialisation track can also dictate the subject field for the student's project group and Master's thesis.
The Department awards a corresponding certificate on request when the student has met the requirements for the specialisation track.