CARL
VON
OSSIETZKY
universität | OLDENBURG

▶ Numbers and Facts

Start: Winter and Summer semester
Duration: 4 semesters
Degree: Master of Science

▶ Application and Enrolment

Admission requirements
The admission requirement for a Master's degree programme is usually an undergraduate degree or equivalent qualification in the same or a closely related field of study and proof of professional and personal suitability.

Application
Applicants with a German university entrance qualification: Please apply online at University of Oldenburg.

EU or International applicants: Please apply via uni-assist e.V.

For more detailed information and deadlines, refer to: www.uni-oldenburg.de/en/students/application-and-enrolment

▶ Contacts

Questions about courses of studies
Academic counselling
Barbara Rapp
Phone: 0441-798-4477
E-Mail: msc-wi@uni-oldenburg.de

Student association Informatics
E-Mail: fachschaft.informatik@informatik.uni-oldenburg.de
Internet: fachschaft-informatik.de/doku.php

General advice regarding studies
Study and Career Counselling Service - Zentrale Studien- und Karriereberatung

Application procedures / Entry requirements
Admissions Office - Immatrikulationsamt

StudierendenServiceCenter
Campus Haarentor A12
26129 Oldenburg
0441-798-2728
studium@uni-oldenburg.de
www.uni-oldenburg.de/en/students/service-advice

▶ Further Information

Homepage Business Informatics
http://www.uni-oldenburg.de/en/computingscience/students/study-programs/bsc-business-information-systems/

Course of study
www.uni-oldenburg.de/en/students/degree-programmes

Funding
www.uni-oldenburg.de/studium/finanzierung

Business Informatics (M.Sc.)

During the Master's degree programme in Business Informatics students learn about a number of approaches that will enable them to analyse, design, implement and use information systems in and between organizations. As future decision-makers and stakeholders, students should be able to understand the potential benefits of targeted information provision, in particular for the optimization and design of information, goods and cash flows within and between companies, and to achieve this by implementing appropriate information systems.

This Master's degree in Business Informatics provides students with a sound conceptual and methodical basis and prepares them for the job market. One of the most important objectives of this degree programme is that students acquire and fine-tune essential problem-solving skills. Specific products and case studies are used throughout the programme to illustrate various approaches and to help students implement these approaches. The programme takes account of the fact that information processing has a substantial influence on the strategies, structures, functions and processes of companies and groups of companies.

▶ Orientation and goals

The Master's degree in Business Informatics consists of four semesters (two years). The programme has been devised in such a way that students are free to design their own programme. They also have the option of developing their academic profile by following one of the specialization tracks. Lecturers issue recommendations about which specialization track best fits the academic profile that the student wants to create. These tracks usually comprise five modules or 30 ECTS and also bridge the gap between the content covered during the project group and the Master's thesis. The department issues a certificate for completed tracks upon request, as long as all the requirements have been met.

The students have considerable freedom when it comes to designing their own profile. In doing so, they are expected to follow modules from

- Business Informatics (24 ECTS)
- Computing Science or Business Informatics (24 ECTS), and
- Economics (18 ECTS)

The admissions committee may stipulate that Master's students must follow up to four modules from the Bachelor's degree programmes in Business Informatics, Computing Science or Economics to make sure that they have sufficient knowledge to follow the Master's degree in Oldenburg.

Core modules in the Master's degree programme in Business Informatics are the project group (24 ECTS) and the Master's thesis (30 ECTS). The project group gives the students the opportunity to work on an software project from start to finish for a whole year. Students are given a problem for which they need to find a solution. To do so successfully, they need to work through all stages of development, from problem analysis to implementation of the system. In addition to the methods addressed and content covered throughout the programme, students also learn about the working practices in the professional field (teamwork, division of work, taking responsibility). At the same time, they also have the opportunity to develop and fine-tune personal 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 fourth semester. The Master's thesis must demonstrate that the student is capable of working on a problem, using scientific methods, within a fixed period of time. If the student decides to specialize, the subject of that particular track will also form the basis of the project group work and the Master's thesis.

Since there is such a wide range of modules available, students are free to design their academic profile according to their own capabilities and objectives. The individual specialization tracks support students throughout this process, so that they know which modules best suit the profile they want to create. The following specialization tracks are offered in the Master's degree in Business Informatics:

- Corporate Environmental Management Information Systems
- Industrial Information Systems
- Business Intelligence

Students can also follow modules from the

- Complex Information and Software Systems or
- Energy Information Systems

specialization tracks from the Master's degree in Computing Science.

Students can also complete the Master's degree without specializing in one of these tracks. As such, there is plenty of room for students to design their own Master's programme.

▶ Careers and Areas of Employment

Business information specialists work in companies in nearly all industries, as well as in public agencies and institutions that use information and communication systems to manage their business processes. They also take on roles in companies which develop, support and distribute information technology that supports business communication and information systems, as well as in companies which specialize in software consulting and training (for example, online and eBusiness consultancies).