Single-Subject Bachelor

Double-Subject Bachelor

Master

Master of Education

PhD

Numbers and Facts

Start: Winter semester
Duration: 6 semesters
Degree: Bachelor of Science

Application and Enrolment

Admission requirements
General university entrance qualification, subject-related entrance qualification, advanced technical college certificate in a relevant subject, entrance examination or prior professional training.

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
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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
Today’s business world, it is essential for people in leading positions to have a broad knowledge not only of business but also information technology (IT). This can be obtained through the bachelor’s programme in Business Informatics. At the Carl von Ossietzky University of Oldenburg, there is a special focus on computer science related themes, which offers graduates a good basis for entering IT careers. The master’s programme in Business Informatics expands and specialises these skills.

The conception, development, introduction, use, and maintenance of operational socio-technological application systems is central to computing science. With regards to this, technological, economic, organisational, and psychosocial aspects are all taken into account. Business Informatics is interdisciplinary and utilises approaches borrowed from business and computer science that expand, integrate, and supplement its own specific approaches.

All of the basics of informatics, business administration, and operational applications are covered in this course of studies. These encompass, among other things, the following thematic areas: business informatics methods, procedural models, tools, and systems in solving practice-relevant problems, development of systems in a team.

Orientation and goals

The Bachelor’s degree in Business Informatics usually takes six semesters (three years) and the teaching is organized into modules and divided into four large blocks. Throughout these blocks, students develop a fundamental understanding of business informatics. They are also given the opportunity to specialize in one of the programme’s various sub-topics.

The first two blocks correspond to the first study sections and comprise the core and advanced modules, which provide students with a basic knowledge of business informatics. In the third block, students follow specialization modules.

Here they can develop their academic profile according to their own interests. The practical modules (professionalization modules) are in the fourth block, during which students learn how to program and work effectively as part of a team. Students must complete a Bachelor’s thesis in order to graduate.

The entire Bachelor’s programme has a student workload of 180 ECTS.

The Business Informatics degree programme comprises the following modules:

### Core modules
- Business Informatics I I 6 ECTS
- Introduction to Business Administration 6 ECTS
- Programming, Data Structures and Algorithms 9 ECTS
- Object-oriented Programming and Modelling 9 ECTS

### Advanced modules
- Mathematics I / Discrete Structures 6 ECTS
- Mathematics II 6 ECTS
- Mathematics III 6 ECTS
- Production 6 ECTS
- Accounting 1: Bookkeeping and end-of-year closing 6 ECTS
- eBusiness 6 ECTS
- Information Systems I 6 ECTS
- Elective 1 (Applied Computing Science) 6 ECTS
- Software Engineering I 6 ECTS
- Business Informatics II 6 ECTS

### Specialization modules
- Elective 2 (Applied Computing Science) 6 ECTS
- Elective 3 (Computing Science) 6 ECTS
- Elective 4 (Computing Science) 6 ECTS
- Elective 5 (Economics) 6 ECTS
- Elective 6 (Economics) 6 ECTS

### Professionalization and practical modules
- Soft Skills 6 ECTS
- Computing Science and Society 6 ECTS
- Project Management for Data Processing 6 ECTS
- Undergraduate seminar 3 ECTS
- PB electives 12 ECTS
- Software project 9 ECTS
- Research seminar 3 ECTS
- Bachelor’s thesis 15 ECTS

180 ECTS

Careers and Areas of Employment

The business informatics specialist’s job description includes in particular the following points:

- Designing, developing, and introducing operational application systems
- The further development and introduction of organisational concepts
- Developing new methods and procedures for the development of information systems
- Marketing of hardware and software products and applications
- Support in product planning, product implementation, and product operation
- Designing and carrying out training sessions for the use of operation information systems. This also includes training and further education measures for manufacturers, users and private or public education institutions
- Determining managerial responsibilities for IT divisions, technical departments, projects, or for IT companies and consultants.

Further qualification with regards to research activities is possible through the master’s programme.