

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
Apl. Prof. Dr.-Ing. Jürgen Sauer
Phone: 0441-798-4488
E-Mail: bsc-wi@uol.de

Dr.-Ing. Andreas Solsbach
Phone: 0441-798-4479
E-Mail: bsc-wi@uol.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

Imprint

Editor: Zentrale Studien- und Karriereberatung,
Status: 08/2017

Business Informatics (B.Sc.)

Single-Subject **Bachelor** ◀

Double-Subject Bachelor

Master

Master of Education

PhD

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
<hr/>	
	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.