



School of Computing Science, Business Administration, Economics, and Law

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About us:

Our School was established in April 2003 through a fusion of the departments of Computing Science, Business Administration, Economics and Law, as well as Economics Education and Technical Education. In 2009, the Department Technical Education moved to Faculty V – Mathematics and Sciences.

Today, the school is distinguished by its clear and independent profile, shaped by the Departments of Computing Science and of Business Administration, Economics, and Law. This is illustrated in the field of academics by:

- innovative and trans-regionally attractive degree programmes combined with a highly service-orientated advisory competence. We offer a series of bachelor's and master's programs that set themselves apart with their modern teaching and learning concepts.

And in the research field by:

- clearly profiled core research fields with national and international dimensions, as also reflected in the SFB research training group, in the collaborative research centre (SFB), in the scientific centres, and the school's associated institutes. An active programme for securing external funding also compliments the school, as does the engaged support of young academics in their respective fields.

School of Computing Science, Business Administration, Economics, and Law



Dean

Prof. Dr. Rudolf Schröder

Dean of Studies

N.N

Vice-Dean
Department of Business
Administration, Economics, and
Law

N.N



Vice-Dean of Studies

Prof. Dr. Bernd Siebenhüner



Vice-Dean
Department of Computing
Science

Prof. Dr. Sebastian Lehnhoff

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Departments

The individual departments are distinguished by their innovative research and extensive active procurement of external funding, as well as by their structured bachelor's and master's programmes. Along with the doctoral programme and modern administrative structures, these programmes serve to encourage and support young academics. Additionally, equality and family-friendliness are also very important.

The Department of Computing Science consists of the sections:

- Theoretical Computer Science
- Software Systems
- Computer Science Applications
- Computer Engineering

The Department of Business Administration, Economics, and Law encompasses:

- Economics
- Business Administration, and Education
- Law
- Economic Education

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Department of Computing Science

Theoretical Computer Science

Parallel Systems

Formal Languages

Correct System
Design

Software Systems

Information Systems

Media Informatics and
Multimedia Systems

System Software and
Distributed Systems

Energy Informatics

Software Engineering

Computer Science Applications

Business Informatics Very
Large Business Applications

Business Informatics

Computer Science Education

Intelligent Transportation
Systems

Computational Intelligence

Energy Informatics II (in
preparation)

Computer Engineering

Safety Critical Embedded
Systems

Microrobotics and Control
Engineering

Embedded Hardware/
Software Systems Design

Hybrid Systems

Central Facilities

ARBI IT

Software Lab

Hardware Lab

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Department of Business Administration, Economics, and Law

Business Administration, and Education

Vocational Training and
Business Education

Management Consulting

Finance and Banking

Marketing

Ecological Economics

Organisation and Personnel

Sustainable Production
Management

Accounting and Corporate
Governance

Entrepreneurship

Strategic Management and
Environmental Policy of
Firms

Innovation Management and
Sustainability

Franco-German double BA-
degree Programm

Female Entrepreneurship

Economics

Public Science

Internationale Economics
Economic Policy

Applied Microeconomics

Environmental and
Development Economics

Applied Macroeconomics

Quantitative Methods

Law

Civil Law, Labour Law

Civil Law, Trade Law,
Business Law, and IT Law

European and International
Economic Law, Private Law

Public Law, European Law,
Legal Theory, Information and
Telecommunication Law

Taxation

Hanse Law School

Economic Education

Economic Education

Economic Education with
Vocational Orientation

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Academics and Teaching

Academics and teaching at the Carl von Ossietzky University have changed considerably since the introduction of modularised courses of study in the new bachelor's and master's programmes.

- For Students—These courses are shorter in duration and place higher demands on the students, not only in content, but in the organisation of each individual's studies.
- For Academic Staff—It is necessary for instructors and tutors to coordinate their modules exactly with one another whenever possible, to constantly assess the quality of modules, and when necessary, to further develop the courses offered.
- For Administrative and Support Staff—Staff in the central student services (Central Student Advisory Service, Executive Support Unit for Academics and Teaching, Student (Psychological) Counselling Service, Information, Library and IT Service (IBIT) have an abundance of new responsibilities, many of which increasingly require the application and mastery of new IT equipment and software.

Communication regarding the structuring of the newly offered study programmes is essential for all of those participating in or affected by the structural reform of study programs. The changes concerning the way academic credit is evaluated are important both in the administration of examinations and in advertising aimed at prospective students.

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Bachelor's Programmes

Computing Science

- Computing Science (B. Sc.)
- Business IT (B. Sc.)
- Computing Science (B.A.,B. Sc.)

Business Administration, Economics, and Law

- Business Administration and Law (B.A.)
- Economics and Business Administration (B.A.)
- Comparative and European Law - Hanse Law School (LL.B.)
- Economics and Business Administration (B.A. Dual-subject/B.Sc.)
- Economic Education (B.A. Dual-subject/B.Sc.)
- Business Administration for Top Athletes (B.A.)
- Business Administration for Small and Mid-sized Enterprises (B.A.)
- Politics - Economics (B.A. Dual-subject/B.Sc.)
- Economics of Sustainability (B.Sc.)

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Master's Programmes

Computing Science

- Computing Science (M.Sc.)
- Embedded Systems and Microrobotics (M.Sc.)
- Business IT (M.Sc.)
- Computing Science (M.Ed.)
- Engineering of Socio-Technical Systems (M.Sc.)

Business Administration, Economics, and Law

- Economics and Business Administration (M.Ed.)
- Management Consulting (M.A.)
- Business Administration, Economics, and Law (M.A.)
- Sustainability Economics and Management (M.A.)
- Politics - Economics (M.Ed.)
- Economic Education/Economics (M.Ed.)
- Transnational Law (Hanse Law School) (LL.M.)
- Law and Information Systems (LL.M.)
- Innovation Management (M.A.)
- Water and Coastal Management (M.Sc.)

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Research

Faculty II offers excellent research in several areas

- Department of Computing Science Core Research Areas
 - Safety-Critical Systems
 - Information Systems
- Research Activities
 - DFG Collaborative Research Centre AVACS
 - DFG Research Training Group SCARE
 - Research Centre Safety Critical Systems
 - Associated Institute OFFIS
- Core research in the Department of Business Administration, Economics, and Law
 - Environmental Economics and Sustainability Management (UNA)
 - Transnational Economics and Law in the Information Society (TELIS)
 - Entrepreneurship and Innovation Management (EI)
 - Teaching, Learning, and Qualification Research (LLQ)

Cooperation between the two departments consists primarily of the thematic areas of Business IT, Environmental Research, and Legal Issues in the Internet. Furthermore, it involves the formation of synergies with research fields spanning all of the scientific centres and research centres in the entire university.

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Research Centres

Research centres are outstanding interdisciplinary scientific centres at the University of Oldenburg, and they are established in close coordination with the university's strategic aims. The research centres at the University of Oldenburg display an interdisciplinary character and correspond to the qualitative and quantitative criteria required for a DFG Collaborative Research Centre. Due to this exceptional designation, the research centres are an area of excellence and serve to enhance the profile of the university.

The multi-disciplinary Research Centre for Safety Critical Systems was founded in September 2004 at the University of Oldenburg. This took place within the context of the establishment of the Collaborative Research Centre AVACS (Automatic Verification and Analysis of Complex Systems) and the associated Institute OFFIS (Oldenburg Research and Development Institute for Information Technology Tools and Systems) from the field of Computing Science, as well as with the participation of the Departments of Physics, Psychology, and IT Law. This research centre focuses on investigating safety applications in the fields of aviation and transport, encompassing many aspects of these fields, especially those that concern the question of automatic verification as derived from AVACS. Additionally, this centre looks at the interdependency of man and machine and the legal aspects of safety.

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Research Training Groups

Research training groups are temporary university facilities intended to facilitate and support the activities of young academics. The most important component of these groups is the thematically interconnected and thematically defined research and study programme. Research training groups are intended to encourage the early academic independence of doctoral students, as well as to intensify international exchanges. They are open to international researchers. An interdisciplinary orientation for the research and study programme is desirable.

The Deutsche Forschungsgemeinschaft (DFG) has given approval for a research training group with the title "System Correctness under Adverse Conditions, SCARE." The official start was 1/10/2012. On 11 November 2016, the DFG extended SCARE for a second phase of 4,5 years duration starting from 1 April 2017. This comprises 15 new doctoral positions of three years each.

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Graduate School Program/Doctoral Studies

TELIS – „Transnational Economics and Law in the Information Society”

UNA – „Environmental Economics and Sustainability Management”

SEE – “System Integration of Renewable Energy”

SAMS – “Safe Automation of Marine Systems”

GINT – “Lernen in informellen Räumen”

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Scientific Centres

Scientific centres are centres that transcend schools and disciplines at the University of Oldenburg, and are, like the research centres, established in close coordination with the university's strategic aims. They collaborate with the individual institutes, department and schools. Above all, scientific centres promote interdisciplinary research and academics in relation to the university's model, thereby providing a particularly important addition to enhancing the university's profile. Scientific centres are independent organisations which are set up temporarily or indefinitely and regularly subject to external evaluation. At this time, six scientific centres have been set up with the participation of our school at the University of Oldenburg.

- **C3L** – Center for Life Long Learning
- **COAST** – Center for Environmental and Sustainability Research
- **CENTOS** – Oldenburg Center for Sustainability Economics and Management
- **ZenaRio** – Center for Sustainable Spatial Development Oldenburg
- **ZenTra** – Center for Transnational Studies at the Universities of Bremen and Oldenburg
- **CETRO** – Jean Monnet Centre for Europeanisation and Transnational Regulation Oldenburg
- **ZRI** – Interdisciplinary Centre of Law for the Information Society

Associated Institutes

The Carl von Ossietzky University of Oldenburg supports the cooperation of private, state, or state-supported research and education facilities. The cooperation of the affiliated institutes and the university is governed by cooperative agreements.

- **OFFIS e.V.** - Oldenburger Forschungs- und Entwicklungsinstitut für Informatik-Werkzeuge und – Systeme e. V.
- **IÖB** - Institut für Ökonomische Bildung (Institute for Economic Education)
- **Ecco GmbH** – ecology + communication Unternehmensberatung GmbH (Ecology and Communication Consultancy GmbH)
- **Express Fonds Nordwest GmbH**

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Internationalisation

The University of Oldenburg currently has a lot of partner universities worldwide. With regards to internationalisation, we are an active player in several diverse areas such as research and teaching, as well as supporting young scholars.

Within the scope of the ERASMUS Programme, Faculty II maintains almost 20 active cooperative agreements with partner universities within Europe.

- Teaching and research cooperation
- Doctoral programme with foreign universities
- Bi-national doctoral programmes
- Guest visits by foreign academics and scientists
- Exchange of students, scientists, and instructors
- Combined programme with the University of Groningen
- Double bachelor programme
- Outgoing faculty exchange in master's programmes
- English language summer schools
- Focus Area: "China – Economy and Language" within the master's programme in Economics and Law

Facts and Figures

- 4700 Students (WS 2018/2019)
- € 5 Mio external funding (2017)
- 40 Professors (2019)
- 156 Research assistants (state and externally funded, 2019)
- 45 Administrative staff (2019)

Address

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Fakultät II – Informatik, Wirtschafts- und Rechtswissenschaften
School of Computing Science, Business Administration, Economics, and Law

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