



Business Information Systems - Bachelor of Science -

WHAT DO BUSINESS INFORMATION SPECIALISTS DO?

Companies continuously adapt their strategies, functions and processes to the ever-changing market conditions in order to maintain their competitive edge. These are increasingly shaped by modern information and communication technologies (ICT) and their specific applications.

Based on modern information infrastructure you will support the business processes in your company and beyond to your best knowledge. For this it is necessary to understand where potential exists to improve target-oriented information management – particularly for internal and external optimisation of information and material flows – and to analyse, plan, (further) develop and implement ICT-systems.

This interdisciplinary qualification bridges the gap between Computer Science and Business Administration, a gap which these two degree courses alone cannot cover satisfactorily.

JOB PROSPECTS

The demand for Business Information Specialists is expected increase in the future. Since ICT-based technologies will gain more importance, ICT specialists have excellent job prospects.

Graduation from Business Information Systems at Kempten University of Applied Sciences will give you an advantage as this degree course is a sibling of the one in Computer Science. Through its scientific approach you will meet the demands of this technology-driven and application-oriented scientific discipline with ease and you will be in high demand on the national and international labour markets.

YOUR PROFILE

You should have a great interest in computer science, business administration and business information systems alike. Moreover you must have an analytical and logical mind since you will be

required to learn and apply basic theories, concepts, models, tools and standards.

Studies also require high levels of assiduity, self-discipline and independence, and further keys for successful studies are team working abilities, flexibility and your willingness to life-long learning.

The studies of Business Information Systems and the ensuing professional work are suitable and attractive for men and women alike.

HOW THE STUDIES ARE ORGANISED

The Bachelor's degree course is taught in 7 semesters; it consists of a basic and an advanced studies period. Semesters 1 and 2 are the basic studies period, semesters 3, 4, and 6, 7 are designed as advanced studies in which you will deepen, widen and specialise your basic knowledge by picking from a comprehensive list of electives the ones who interest you most.

In semester 5 you will complete a work placement semester in a company. You will get to know recent business situations and requirements and apply your knowledge in a manner beneficial for the company. The work placement will be an important period of orientation and self-assessment for you.

Study contents of the three focal areas, Computer Science, Business Administration and Information and Communication Technologies, are equally represented, providing a broad-based and sound knowledge base. From there, a fourth area comprising topics from mathematics, statistics, legal issues and behavioural science will complete your training.

At the end of your studies you will write a Bachelor thesis. Having passed all examinations required you will graduate with the academic degree Bachelor of Science (B.Sc.).

FURTHER QUALIFICATION

If you seek a seamless course of further qualification, Kempten University of Applied Sciences offers you a consecutive 3-semester Master's degree programme in "Applied Computer Science" which deals with advanced topics related to Business Information Systems in an application-oriented manner.

LIST OF STUDY MODULES

Basic Studies (Semesters 1 and 2)

- Introduction to Computer Science
- Software Development and Programming 1 and 2
- Algorithms and Data Structures
- Introduction in Business Information Systems
- Basic Information and Knowledge Management
- Business Administration 1 and 2
- Analysis
- Linear Algebra and Analytical Geometry
- Business and Information Technology Law
- English

Advanced Studies, part I (semesters 3 and 4)

- Software Engineering 1 and 2
- Operating Systems
- Data Bases
- Internet Technologies
- Distributed Software Systems
- Business Administration 3
- Logistics
- Business Management Simulation
- Statistics and Probability Theory
- Project Management
- Electives from Business Administration

Work Placement Semester (semester 5)

- Complementary lectures to work placement
- Social Skills

Advanced Studies, part II (semesters 6 and 7)

- IT-Applications in Business
- Business Project Modelling
- ERP-Systems/Production Planning
- Marketing and Distribution
- Operations Research
- Electives from Computer Science and Business Information Systems
- Seminar
- Project Work
- Bachelor Thesis

CONTACT

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IMPORTANT LINKS

(Information in English on our website)

www.hs-kempton.de > INTERNATIONAL > click English flag (in the top left-hand corner)

[Information for international exchange students](#)
(> INTERNATIONAL > EXCHANGE STUDENTS / INCOMING)

[Study programmes – short description in English](#)
(> INTERNATIONAL > DOWNLOADS > Study Programmes)

[Guests and Visitors at Kempten University](#)
(> INTERNATIONAL > GUESTS AND VISITORS)

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PLEASE NOTE that, although this description is written in English, the study course is taught in German.