Entry requirements and how to apply

To apply for this degree programme, you need a recognised university entrance qualification.

For details on the application process, inlcuding deadlines and required documents, visit www.uni-passau.de/en/apply.

You will need good German language skills to study this degree programme, as that it is the language of instruction.

The University of Passau has set up a German language teaching unit, German Courses Passau, which offers a selection of preparatory language programmes tailored to the needs of international students. These range from summer courses to a full academic year – the latter is recommended for those with no prior German language skills.

Further details: www.uni-passau.de/en/learn-german

Degree awarded	Bachelor of Science (B.Sc.)
Duration and ECTS	6 semesters; 180 ECTS credits
Starts in	October (winter semester)
Language of instruction	German

Further information and contact details

Programme profile on the web
www.uni-passau.de/en/bsc-infosys

Information Systems webpages of the faculty
www.winfo.uni-passau.de/en

Academic Advice Service
Primary contact for prospective international students seeking advice on study options and entry requirements
Phone: +49 851 509 1154
E-mail: advice@uni-passau.de
www.uni-passau.de/en/academic-advice

What students say

What made you decide to study at the University of Passau?

"*What is particularly appealing to me is the wide choice of modules, which allowed me to tailor my studies to my personal interests. In addition, the beautiful campus and the super idyllic town of Passau bring with them an extraordinary atmosphere.*"

Angelika Augustin
(studies B.Sc. Information Systems)

"*I think the entire range of courses offered by the University of Passau is just great. There are many opportunities for a semester abroad, a high degree of individuality in the degree programme and plenty of scope for getting involved and joining in activities. And the preparation for the master's degree in Passau is ideal.*"

Philipp Thorwirth
(studies B.Sc. Information Systems)

UNIVERSITY OF PASSAU

Bachelor of Science in
Information Systems

About the programme

Digital business models and leveraging IT for strategic competitiveness require expertise in the fields of business, economics and information technology. The interdisciplinary B.Sc. Information Systems degree programme imparts precisely this combination of knowledge.

In the degree programme, you can choose one of two focus areas. The first focus area, Data-Driven Business, focuses on data-supported decision-making and business models in companies. The focus here is on questions such as: "what is the economic and strategic value of data?", "what effect does artificial intelligence have on digital business models?" and "what are the technical, legal and economic rules of the digital economy?"

The second focus area, Information Systems Development and Management, deals with the management of business applications in companies as a central competitive factor. This area discusses questions such as: "How do successful organisations use modern information technologies?", "how can software-development projects be successfully managed?" and "how are business processes optimally supported by application systems?"

The School of Business, Economics and Information Systems also offers the research-oriented M.Sc. Information Systems degree, which builds on the knowledge imparted in this degree programme.

Career prospects

Graduates have access to a wide range of occupational areas at the interface of economics and information technology.

You will be able to work in German and multinational companies or public-sector organisations alike, taking on a wide array of jobs and responsibilities, such as strategy development for digital business models or organisational and process design while working in a variety of roles e.g. in IT management, as a data scientist or software project manager. For instance, placing a focus on the area of "data-driven business" will equip you with the know-how to devise and develop strategies for value creation on the basis of digital data.

The programme also provides specialised support and advice for working for a start-up companies or for setting up your own business.

"We have excellent researchers at our University with very good contacts in industry and political circles. Students benefit from this, because it allows them to come into direct contact with the current thinking at the interface between information technology and economics."

Professor Thomas Widjaja, Chair of Business Information Systems and subject adviser for B.Sc. Information Systems

Features

- Focus areas that are highly relevant for today's data economy: **Data-Driven Business** and **Information Systems Development and Management**
- International orientation: **complete a semester abroad** at one of the University's numerous partner universities in the USA, India, Finland or Brazil
- **Practical relevance** through numerous business contacts (ranging from local to multinational companies)
- Methods-oriented training with a focus on **practically relevant questions**
- **Special financial support for female students** (e.g. through the MINT scholarship for women in STEM)
- Comprehensive offering of entrepreneurship courses and practical support for those planning to **start up their own company**
- **Honours Programme** for particularly outstanding students
- Once you graduate from this degree programme, you can continue with the **M.Sc. Information Systems** right here in Passau! This master's programme also offers **double master's** degree options with international partner universities.
- **Excellent international rankings** of the School of Business, Economics and Information Systems (THE 2023 Subject Ranking)

Programme syllabus

You can choose from two thematic paths as you proceed through the programme. This gives you plenty of flexibility to shape your study profile according to your needs and interests:

A: Foundations — B: Data-Driven Business / B: Information Systems Development and Management — C: Consolidation — D: English for Business/Economics — E: Seminar — Dissertation and colloquium

Module area A: Foundations

The Foundations area covers introductory modules from economics, quantitative methods, computer science, law and information systems.

Module area B: Information Systems Focus

In module area B, you will choose either "Data-Driven Business" or "Information Systems Development and Management" as your focus.

Module area C: Consolidation

In module area C, you can choose deepen your knowledge in one of the following areas according to your interests:

1. Accounting, Finance, and Taxation
2. Economics
3. Management, Innovation, Marketing
4. International and Sustainable Business
5. Information Systems (it is possible to place a second focus on information systems even if you have already done so in to module area B)
6. General Studies (free choice of modules)

Module area D: English for Business/Economics
In module area D you will receive English language training (business and economics track).

Module area E: Seminar
In preparation for the bachelor's dissertation, you will write your first own research paper in a seminar.

Bachelor's dissertation and bachelor's colloquium
In the bachelor's dissertation, you will work independently on a research question using scientific methods. During the colloquium you will have the opportunity to present your results and receive feedback.