Business Informatics

As a rule, the design and realisation of IT solutions is often done in
team projects with specialists from different departments, such as
marketing, sales, production and logistics. In such teams
information management specialists not only have a central
mediating role, but also a leadership role. So they must have a solid
education in informatics as well as in-depth knowledge of business
administration and economics and – finally – language and social
skills.

Fribourg profile
Correspondingly, on the one hand the Bachelor's programme in
Information Systems at the University of Fribourg provides a
challenging basic education in computer science, which, in addition
to the typical subjects such as information systems, project
management, security, etc., also includes programming and
quantitative methods. On the other, a substantial part of the course
of studies comprises the study of business administration and
economics, especially during the first and second academic years.

Learning outcomes and career openings
The University of Fribourg Bachelor's degree in Information
Systems provides a solid foundation for a professional career. It
makes it possible to enter directly into professional life or to tackle a
Master's programme in Information Management, in order to open
up an even wider range of career prospects. The majority of
Bachelor graduates pursue their Master's programme at the
University of Fribourg and profit, among other things, from the wide
range of courses in the Swiss Joint Master in Computer Science of
the Universities of Bern, Neuchâtel and Fribourg (see study
programme «Computer Science»). An attractive Master's
programme is Computer Science made possible by the cooperation
between the three Swiss universities. They gain access to the other
universities, even if they are enrolled in Fribourg.

The need for well qualified specialists in information systems is and
remains high: increasingly, a lack of such professionals is expected.
An information management specialist, graduates help design
the future – in industry, trade, administration, the service sector and
research. All in all, they have the best prerequisites for a successful
start in a professional career.

Profile of the study programme
In the Information Systems Bachelor's programme, the foundation
is laid for a university education in computer science systems with a
focus on information management. Information Systems deals with
the use of informatics – so-called information and communication
technologies – in companies and public sectors. One of
the recurring, varied and exciting tasks of information
management is to consider how existing processes or procedures
can be improved or how new processes can be made possible with
the help of innovative IT solutions and to substantially contribute to
the design and implementation of such. Even the layman can sense
how fundamental such tasks are by considering services in the
Internet, such as tracking mail, ticket orders and other products that
are offered by auctions and exchange markets.

Languages of study
Study in two languages, in French and German. A number of
lectures will be in English.

Commencement of studies
Commencement of studies in the Autumn Semester (September) or
in the Spring Semester (February)

Access to further studies
Master

Information Systems deals with the use of information and
communication technologies in companies and public
organisations. Its main task is to design new IT solutions, improve
existing processes and assist in their implementation. It thereby
plays a central role in mediation between such corporate
departments as marketing, sales, production and logistics.
In the Bachelor's programme, students get a demanding basic
course of studies in informatics, with a focus on the topics of
information systems, project management, IT security,
programming and quantitative methods on the one hand. On the
other they also learn about such subjects as business
administration and economics.
Practical relevance is highly valued in Fribourg, both when teaching
and in independent work. In addition, the students acquire valuable
language skills by absolving the study programme multilingually.

Structure of studies
180 ECTS credits, 6 semesters

Curriculum
http://studies.unifr.ch/go/4F2Tn
Admission

The following Swiss school-leaving certificates grant admission to Bachelor programmes at the University of Fribourg:

- Swiss academic Maturity Certificate
- Federal vocational or specialised Baccalaureate + supplementary examination of the Swiss Maturity Commission (passerelle)
- Bachelor Degree from a Swiss university, from an accredited Swiss university of applied sciences (HES/FH) or from a Swiss university of teacher education (HEP/PH)

A complete list of all further recognized Swiss school-leaving certificates is to be found on the webpages of swissuniversities (in French and German only): [http://studies.unifr.ch/go/en-admission-swiss-certificates](http://studies.unifr.ch/go/en-admission-swiss-certificates)

Foreign upper secondary school-leaving certificates are recognised only if they correspond substantially to the Swiss Maturity Certificate. They must qualify as general education. Foreign school-leaving certificates are considered to be general education if the last three years of schooling include at least six general education subjects, independent from each other, in accordance with the following list:

1. First language (native language)
2. Second language
3. Mathematics
4. Natural sciences (biology or chemistry or physics)
5. Humanities and social sciences (geography or history or economics/law)
6. Elective (computer sciences or philosophy or an additional language or an additional subject from category 4 or 5)

The general admission requirements to the Bachelor programmes at the University of Fribourg for holders of foreign school-leaving certificates as well as the admission requirements for individual countries are to be found on the webpages of swissuniversities: [http://studies.unifr.ch/go/en-admission-countrylist](http://studies.unifr.ch/go/en-admission-countrylist)

In addition, foreign candidates must present proof of sufficient language skills in French or German.

The assessment of foreign school-leaving certificates is based on the «CRUS Recommendations for the Assessment of Foreign Upper Secondary School-Leaving Certificates, 7 September 2007» ([http://studies.unifr.ch/go/crus07en](http://studies.unifr.ch/go/crus07en)). The admission requirements are valid for the respective academic year. The Rectorat of the University of Fribourg reserves the right to change these requirements at any time.

Alternatives

Also offered as a minor study programme (60/30 ECTS credits).

Contact

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