Swiss Joint Master in Computer Science

The Master's programme comprises a first group of classes in information management and decision support, a second group in computer science, and a third group of optional classes in management. Students can create their personalized curriculum. In these groups, they have full access to the Swiss Joint Master in Computer Science, a programme jointly offered by the Universities of Fribourg, Bern and Neuchâtel. Over 60 courses are available, most of which are taught in English. Practice-orientation is incorporated in the topics addressed (e-business, e-commerce, e-government, supply chain management, revenue management, etc). It is also reflected in the internship required as an integral part of the programme. The internship at a company or other institution is required as an integral part of the curriculum. Finally, the Master’s thesis is typically completed on a problem in connection with a practical application.

Profile of the study programme

The Master of Arts in Information Management gives candidates with a Bachelor's degree in Information Systems or related domains the opportunity to advance their knowledge and skills in the application of information and communication technologies in the economy and society.

The Master's programme comprises a first group of classes in information management and decision support, a second group in computer science, and a third group of optional classes in management. Students can create their personalized course of study choosing classes according to a required number of credits in the first two groups. In these groups, they have full access to the Swiss Joint Master in Computer Science (SJMCS), a programme jointly offered by the Universities of Fribourg, Bern and Neuchâtel, and benefit from the multiple advantages of the SJMCS (for further information, see also the study programme «Computer Science»). Over 60 courses are offered, some taught in German or French, and most of them taught in English, allowing also students who only know English to complete the program without problems.

Practice-orientation is a key attribute of the study programme. It is incorporated in the topics addressed (e-business, e-commerce, e-government, supply chain management, revenue management, etc). It is also reflected in the internship required as an integral part of the programme. This internship at a company or other institution provides the student the opportunity to apply the acquired knowledge and gain valuable practical experience. Finally, the Master’s thesis is typically completed on a problem in connection with a practical application.

Learning outcomes and career openings

Offering a broad range of courses, coupled with a scientifically sound but practice-oriented approach, the Master of Arts in Information Management is particularly suited to preparing students for the job market, where interdisciplinary experience and practical skills are highly valued in qualified graduates. A Master's degree in Information Management enables students to fill advanced positions in diverse economic sectors, including financial industries, high-tech companies, journalism and entertainment, public administration, teaching and continuing education, research, automation, gaming and sports, communication technology, engineering and knowledge management. It also gives them the opportunity to continue their studies towards a Ph.D. degree, offering further interesting careers in industry and academia. Altogether, it opens excellent professional perspectives, as applied computer scientists are worldwide in high demand.

Studies organisation

Structure of studies

90 ECTS credits, 3 semesters

Curriculum

http://studies.unifr.ch/go/PWEqb

Admission

Master’s degree programmes are built on the knowledge and abilities that were acquired when obtaining a Bachelor's degree.

Holders of a Bachelor's degree awarded from a Swiss university can be admitted to a Master's degree programme within the corresponding discipline (requires the acquisition of minimum 60 ECTS credits at Bachelor level in the corresponding discipline) without any additional requirements. The same applies to holders of a Bachelor's degree awarded by a foreign university, provided that the Bachelor's degree is recognised and considered equivalent by the University of Fribourg.

Holders of a Bachelor's degree awarded from a Swiss university or holders of a Bachelor's degree awarded by a foreign university, provided that the Bachelor's degree is recognised and considered equivalent by the University of Fribourg, can be admitted to a Master's degree programme within another discipline with prerequisites (must be successfully completed before starting the Master's degree programme) or additional requirements (can be completed during the Master's degree programme). According to existing agreements, holders of a
Bachelor’s degree awarded from a Swiss university of applied sciences can also be admitted with prerequisites or additional requirements.

The respective conditions of admission for each Master's degree programme are reserved.

Alternatives

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

Contact

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