

# Campus

An exciting campus in Switzerland:  
linguistic and cultural diversity

Three universities – one campus with an international spirit and many advantages: benefit from great atmosphere, a rich cultural experience, and affordable housing.

Language skills and a multicultural background are sought after both at home and abroad – you can acquire both “en passant” at the most spirited campus in Switzerland. Live and study in style, while both living more affordably than in other university cities and benefiting from all of the attractions of Bern, Neuchâtel and Fribourg.

u<sup>b</sup>

UNIVERSITÄT  
BERN



## Bern

Study in the political capital of Switzerland, and enjoy the cultural life of the town and the range of summer and winter activities in the nearby Alps.  
[www.unibe.ch](http://www.unibe.ch)

unine

UNIVERSITÉ DE  
NEUCHÂTEL



## Neuchâtel

Study in this lively town with a Mediterranean touch – bask in the lake-side atmosphere and the French ambience.  
[www.unine.ch](http://www.unine.ch)

UNIVERSITÄT  
FRIBOURG

UNIVERSITÉ DE FRIBOURG SUISSE  
UNIVERSITÄT FRIBOURG SCHWEIZ



## Fribourg

Study in Switzerland's historically famous bilingual city – live and breathe this unique Franco-German cultural experience.  
[www.unifr.ch](http://www.unifr.ch)

# Your Professors

Over 30 faculty members with distinguished academic records will help you acquire challenging knowledge and important skills under optimal supervision.

(For a complete list consult [mcs.unibnf.ch](http://mcs.unibnf.ch))



Prof. Dr Rolf Ingold  
Document Voice and  
Image Analysis (DIVA)



Prof. Dr Matthias Zwicker  
Computer Graphics  
Group (CGG)



Prof. Dr Peter Kropf  
Distributed Systems



Prof. Dr Oscar Nierstrasz  
Software Composition  
Group (SCG)



SNF-Prof. Dr Philippe  
Cudré-Mauroux  
eXascale Infolab (XI)



Prof. Dr Gerhard Jäger  
Theoretical Computer  
Science and Logic (TIL)



Prof. Dr Marino Widmer  
Decision Support (DS)



Dr Carolin Latze  
Computer Networks and  
Distributed Systems (RVS)



Prof. Dr Jacques Savoy  
Automatic Language  
Processing / Information  
Retrieval



Prof. Dr Béat Hirsbrunner  
Pervasive and Artificial  
Intelligence (PAI)



Dr Etienne Rivière  
Dependable Systems  
and Networks



Prof. Dr Pascal Felber  
Dependable Systems  
and Networks

FRUITKACEN

# Take the Lead!

Swiss Joint Master in Computer  
Science of the universities of  
Bern, Neuchâtel and Fribourg



[swissuniversity.ch](http://swissuniversity.ch)

u<sup>b</sup>

UNIVERSITÄT  
BERN

unine

UNIVERSITÉ DE  
NEUCHÂTEL

UNIVERSITAS  
FRIBURGENSE

UNIVERSITÉ DE FRIBOURG SUISSE  
UNIVERSITÄT FRIBOURG SCHWEIZ



# MSc in Computer Science

3 semesters to become a first-rate professional in ICT

**An opportunity to make a career move that will make a difference: Acquire the latest technical knowledge certified by a masters degree. Appropriate recognized methodologies. Master complex relationships and interactions.**

The *Swiss Joint Master in Computer Science* offers a rich variety of subjects, options and specializations. You build your course of study according to your objectives and specific needs: specialize in your choice of subjects or graduate as a well rounded generalist. Study full-time and obtain your masters degree in 3 semesters – or complete your studies part-time at an agreed pace.

# You have the choice

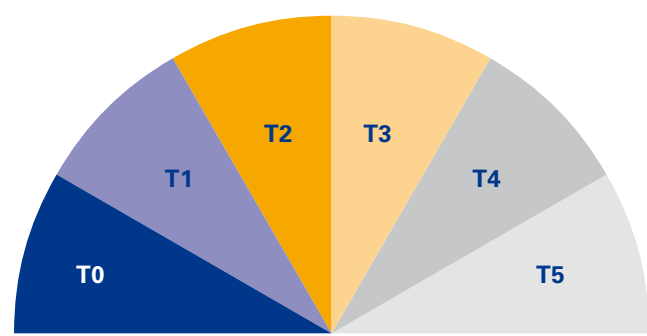
The study curriculum – with you in mind

**You choose the blend and the direction of your studies: Pick 12 teaching units that best meet your needs from a range of 45 courses and additional seminars.**

Courses, seminars, internships and other forms of teaching are bundled into 6 tracks.

- **T0** General
- **T1** Distributed Systems
- **T2** Advanced Software Engineering
- **T3** Advanced Information Processing
- **T4** Logic
- **T5** Information Systems and Decision Support

Specialize by completing at least 5 teaching units of the track of your choice. Write your masters thesis in your area of specialization.



**Master 90 ECTS credits:** successful completion of the 12 individually chosen teaching units leads to 60 ECTS credits – the masters thesis is rewarded with 30 ECTS credits.

12 teaching units: 60 ECTS credits				Masters thesis: 30 ECTS credits
5 ECTS	5 ECTS	5 ECTS	5 ECTS	30 ECTS
5 ECTS	5 ECTS	5 ECTS	5 ECTS	
5 ECTS	5 ECTS	5 ECTS	5 ECTS	

# Benefits

Our masters will exceed your expectations

**The curriculum offers a large selection of courses and maximum flexibility; smooth transitions and recognized credits between the three universities.**

Nowhere else you can design your masters studies so individually – the rich offerings of the three universities of Bern, Neuchâtel and Fribourg will thrill you. The course schedule is aligned with the train timetable – you move between the sites without stress. Related travel costs are largely reimbursed by the universities.

While English is the preferred language of instruction you benefit from the multilingual environment and the large offer of language courses.

# International

The Swiss Joint Master program is open to students holding a *Bachelor in Computer Science* from a Swiss university or from any one of a large number of foreign universities. Degree holders with similar qualifications are welcome to apply and can be accepted under tailored conditions.

This *Master of Science in Computer Science* will enrich your professional qualifications. Living on the most spirited campus in Switzerland will enhance your communication skills in several languages and cultures.



[swissuniversity.ch](http://swissuniversity.ch)

