

Master of Science in Computer Science of the Universities of Bern, Neuchâtel and Fribourg

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mcs.unibnf.ch







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1. GENERAL ASPECTS









3 Universities – 1 Campus

► The Swiss Joint Master of Science in Computer Science is a study program offered by the universities of Bern, Neuchâtel, and Fribourg

However, this multi-site infrastructure can be considered as one

campus

travel between the sites by public transportation is quick, convenient and comfortable, and the travel costs are reimbursed

- common legal documents
- common systems







Student Life

- Attractive accommodation
 - Bern, Neuchâtel and Fribourg offer a larger number and variety of affordable accommodation than other major cities in Switzerland
- Linguistic and cultural diversity
 - the 3 universities are located in an area of Switzerland that is at the meeting point of German and French cultures
- A wide variety of cultural attractions
 - the universities of Bern, Neuchâtel, and Fribourg are only a stone's throw away from the lakes of Geneva and Neuchâtel, a number of UNESCO world heritage sites, and the magnificent Swiss Alps





2. JOINT MASTER PROGRAM

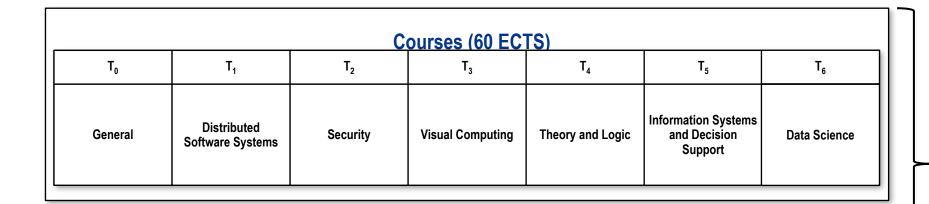








Structure of the Master Studies



Master Thesis (30 ECTS)

An individual research project with a thesis report

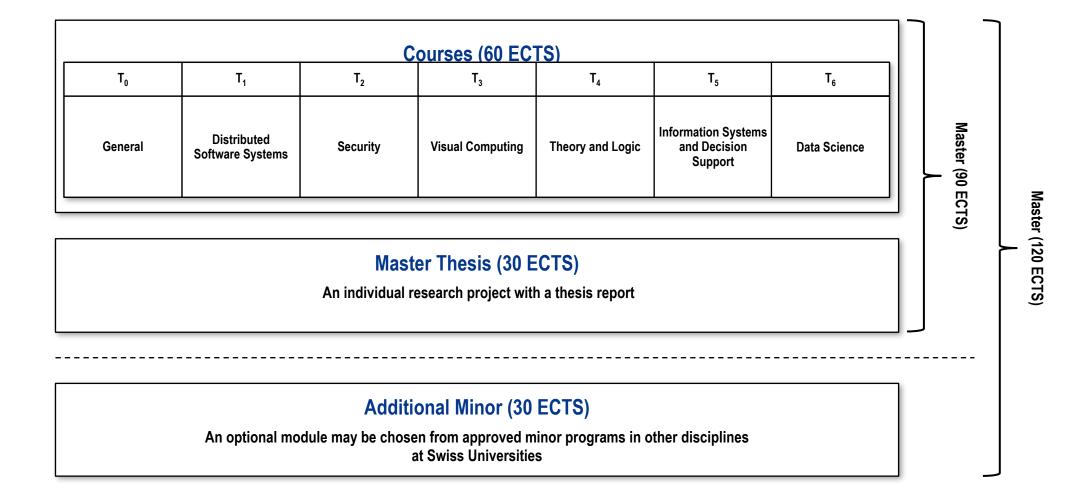






Master (90 ECTS)

Structure of the Master Studies









A Broad and Structured Offer

All courses are credited with 5 ECTS

- A student chooses 12 courses/seminars
 - a minimum of 8 courses out of around 40 courses
 - a minimum of 2 seminars out of seminars offered by 18 research groups
 - the full course/seminar list can be found on our website
- All courses/seminars are grouped into 7 tracks according to fields of studies, allowing high quality focus







Available Tracks

- ► T0 General (complementary offer)
- T1 Distributed Software Systems
- T2 Security
- T3 Visual Computing
- ► T4 Theory and Logic
- T5 Information Systems and Decision Support
- T6 Data Science







Diversification and Focus

- There are no mandatory courses
- Diversification
 - at least 3 tracks have to be touched (earning at least 5 ECTS per track)
- Optional specialization
 - ▶ at least 25 ECTS in one track (T1 T6) + master thesis







Study Duration

The program normally takes 3 semesters of full-time studies to complete (30 ECTS each semester)

In case of part-time studies, the duration of the program is, upon request, extended accordingly







Language of Study

Most courses are taught in English, occasionally in French or in German

Students who only know English can follow the program without problems

 Socializing also takes place in English, as most of fellow students speak English (e.g., 10'000 university students out of 40'000 habitants in Fribourg)





Study Support

To get in touch with professors and lecturers is easy and uncomplicated

There is a good staff-student ratio in the master program

- A study tracking is performed two times during the academic year
 - the goal is to observe the progress that students made during the last semester
 - students with problems in their studies are advised how to better plan their further studies





3. ADMISSION AND REGISTRATION









Admission Requirements

- The master program is open to all students holding
 - a Bachelor of Science in Computer Science from a Swiss university
 - an equivalent title from a foreign university*
 - a Bachelor's degree in Computer Science from a University of Applied Sciences (with, in principle, a grade average of at least 5.0 in their Bachelor studies)*
 - a different type of university degree (in particular holders of a bachelor degree with a minor in Computer Science)*

* these applications are considered on a case-by-case basis, and the branch committee may require additional credits from courses at the Bachelor's level, with a maximum of 60 credits





How to apply

- From outside (not matriculated at a BeNeFri university)
 - submit your application request to the registration office until April 30th for the autumn semester or until November 30th for the spring semester
- From a BeNeFri university (registered in a program other than Computer Science)
 - submit your application request to the Program Coordinator
- From Bachelor in Computer Science of a BeNeFri university
 - nothing to do (you will be registered automatically for the master program)





4. FURTHER INFORMATION AND CONTACT







Further Information

- Further information can be found on the website (https://mcs.unibnf.ch)
 - program
 - admission
 - organization
 - lectures
 - research groups
 - student life
 - downloads





Contact

Bern

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Questions?

We would like to thank you for your interest in our master program in Computer Science





