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

Information Event in Bern
Prof. Dr. David Bommes
September 11th, 2020

mcs.unibnf.ch
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### Structure of the Master Studies

**Courses (60 ECTS)**

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<td>General</td>
<td>Distributed Systems</td>
<td>Advanced Software Engineering</td>
<td>Advanced Information Processing</td>
<td>Logic</td>
<td>Information Systems and Decision Support</td>
<td>Data Science</td>
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**Master Thesis (30 ECTS)**

An individual research project with a thesis report

**Additional Minor (30 ECTS)**

An optional module may be chosen from approved minor programs in other disciplines at Swiss Universities
A Broad and Structured Offer

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

All courses are credited with 5 ECTS
Available Tracks

Joint Master Program

- T0 - General (complementary offer)
- T1 - Distributed Systems
- T2 - Advanced Software Engineering
- T3 - Advanced Information Processing
- T4 - Logic
- T5 - Information Systems and Decision Support
- T6 - Data Science

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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 maximal study duration is limited to 6 semesters.

An extension of the maximal study duration is possible, e.g. part-time studies, upon request.
Evaluation / Exam

Exam principles
- the exams take place at the end of the semester
- only failed exams can be repeated at a fixed repetition date

A course is only credited if a mark $\geq 4.0$ has been obtained

Insufficient marks (< 4.0) cannot be compensated with higher marks of other courses
Administration Systems

- **Website**
  - information about the program ([https://mcs.unibnf.ch](https://mcs.unibnf.ch))

- **Learning management system (ILIAS)**
  - for all courses and seminars, there is a course page in ILIAS ([https://mcs.unibnf.ch/e-learning](https://mcs.unibnf.ch/e-learning), click on “Login”)

- **Student management system (Academia)**
  - students are administrated with Academia ([https://mcs.unibnf.ch/admin](https://mcs.unibnf.ch/admin))
Student’s ToDo List for every Semester

- Registration for teaching units (courses and seminars)
- Registration for exams
- Registration for the BeNeFri network and reimbursement of travel expenses
- Have a look at https://mcs.unibnf.ch/organization/
Important Dates and Deadlines

Registration for teaching units (https://mcs.unibnf.ch/admin)
- autumn semester 2020: October 9th 2020
- spring semester 2021: March 19th 2021

Registration for exams (https://mcs.unibnf.ch/admin)
- autumn semester 2020: January 4th 2021
- spring semester 2021: May 14th 2021
- repetition 2021: August 6th 2021

Reimbursement of travel expenses (http://www.unifr.ch/benefri)
- autumn semester: January 31st
- spring semester: June 30th
Teaching units of the complement are submitted to the bachelor rules and regulations of the Faculty of Science of the home university (dates, condition to pass, …)

- **Be:**
  https://www.unibe.ch/e152701/e154048/e191232/e205337/e707890/phil_nat_rsl_final_ger.pdf
- **Ne:** http://rsn.ne.ch/DATA/program/books/rsne/htm/416320.htm
- **Fr:** https://www3.unifr.ch/apps/legal/de/document/1424425

Student management systems used in the complement

- **Be:** KSL (http://www.ksl.unibe.ch)
- **Ne:** Academia (http://www.unine.ch/is-academia)
- **Fr:** GeFri/MyUniFR (http://my.unifr.ch)
Further Information

Further information can be found on the website (https://mcs.unibnf.ch)

- program
- admission
- organization
- lectures
- research groups
- student life
- downloads
Student Counselors

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Sept. 2020
We hope your studies will be interesting and successful!