



MASTER IN
COMPUTER
SCIENCE

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

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

mcs.unibnf.ch

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Structure of the Master Studies

Joint Master Program

Organization and ToDo List

Further Information and Contact

Courses (60 ECTS)

T ₀	T ₁	T ₂	T ₃	T ₄	T ₅	T ₆
General	Distributed Systems	Advanced Software Engineering	Advanced Information Processing	Logic	Information Systems and Decision Support	Data Science

Master (90 ECTS)

Master (120 ECTS)

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

Joint Master Program

Organization and ToDo List

Further Information and Contact

- ▶ 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

Organization and ToDo List

Further Information and Contact

- ▶ 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

Diversification and Focus

Joint Master Program

Organization and ToDo List

Further Information and Contact

- ▶ 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

Joint Master Program

Organization and ToDo List

Further Information and Contact

- ▶ 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

Joint Master Program

Organization and ToDo List

Further Information and Contact

- ▶ 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 ≥ 4.0 has been obtained
- ▶ Insufficient marks (< 4.0) cannot be compensated with higher marks of other courses

Administration Systems

Joint Master Program

Organization and ToDo List

Further Information and Contact

- ▶ Website
 - ▶ information about the program (<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>, click on “Login”)
- ▶ Student management system (Academia)
 - ▶ students are administrated with Academia (<https://mcs.unibnf.ch/admin>)

Student's ToDo List for every Semester

Joint Master Program

Organization and ToDo List

Further Information and Contact

- ▶ 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

Joint Master Program

Organization and ToDo List

Further Information and Contact

- ▶ 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**

Complement to the Master Program

Joint Master Program

Organization and ToDo List

Further Information and Contact

- ▶ 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

Joint Master Program

Organization and ToDo List

Further Information and Contact

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

Contact

Joint Master Program

Organization and ToDo List

Further Information and Contact

► Student Counselors

Bern

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**We hope your studies will be
interesting and successful!**