## Bachelor of Science in Mathematics

**Study plan autumn semester 2021**

### Academic Semester
01.08.2021 - 31.01.2022

### Study period
16.08.2021 - 07.01.2022

### Kick-off day
**August 2021**, date, location and time will be published as soon as possible

### Examination period
08.01.2022 - 22.01.2022

### Proseminar

### Module-No. | Module name | Semester
--- | --- | ---
M 01 | Algorithmics | 1
M 02 | Statistics and Discrete Structures | 1
M 03 | Calculus I | 2
M 04 | Linear Algebra I | 2
PI | Proseminar I | 2
M 05 | Calculus II | 3
M 06 | Linear Algebra II | 3
PI | Proseminar II | 3

### Examination period

### Module-No. | Module name | Semester
--- | --- | ---
M 07 | Introduction to Complex and Functional Analysis | 4/5
M 08 | Stochastics | 4/5
M 09 | Introduction to Numerics | 4/5
M 10 | Mathematical Modelling | 4/5
M 11 | Algebra | 4/5
M 12 | Theory and Numerics of ODEs | 6/7
M 13 | Geometry or Number Theory | 6/7
M 14 | Differential Geometry | 6/7
M 15 | Topology or Theory of Groups or Combinatorics | 6/7
M 16 | Optimization and Machine Learning | 6/7
M 17 | Theory and Numerics of PDEs (integrated Lab) | 8/9
M 20 | Bachelor Thesis (integrated Seminar) | 8/9
M 19 | Elective Module from another Faculty | 8/9
M 20 | Bachelor Thesis (integrated Seminar) | 8/9

---

*Location event and exams: Lucerne. The location and rooms will be published as soon as known.*