Mathematics

Degree conferred
Master of Science in Mathematics

Languages of study
Study in French, German and English

Commencement of studies
Commencement of studies in the Autumn Semester (September) or in the Spring Semester (February)

Access to further studies
Ph.D.

The study programme provides a high-level education in pure and applied mathematics and involves individualized curricula specializing in several domains of analysis, algebra and geometry, topology, statistics, numerical analysis or biomathematics. Previous course work can be extended in computer science, physics or economics. Master's level classes at the nearby universities of Bern and Neuchâtel are open to students registered at Fribourg and can be part of their curriculum. Activities from the «Swiss Doctoral Program in Mathematics» can equally be integrated into the course of study. The programme culminates in a Master's thesis under the supervision of a thesis advisor and a final presentation of the results.

Profile of the study programme

The study programme in mathematics provides a high-level education in pure and applied mathematics. It is open to candidates holding a Bachelor's degree in mathematics, and to well prepared and talented candidates with an equivalent degree. Because of the increasing use of advanced mathematical methods in a wide variety of fields, the study programme leads to a multitude of careers in private companies, government institutions, or teaching. Mathematicians generally have excellent prospects on the national and international job market. This Master's degree also provides the necessary preparation for students planning to follow a Doctoral programme in mathematics.

This Master offers advanced classes in a broad spectrum of mathematical areas. Students follow highly individualized curricula specializing in several domains of analysis, algebra and geometry, topology, statistics, numerical analysis or biomathematics. It is also possible to extend previous course work in computer science, physics or economics at the Master's level. Lectures and seminars introduce students to the world of mathematical research. The study programme culminates in a Master's thesis carried out under the supervision of a thesis advisor, and a final presentation of the results.