Key Points

Degree conferred
Specialized Master of Science in Experimental Biomedical Research

ECTS credits
90

Duration
3 semesters

Access to further studies
Ph.D.

Languages of study
English

Options
- NEUROSCIENCE
- INFECTION, INFLAMMATION AND CANCER
- CARDIOVASCULAR AND METABOLIC HEALTH

Commencement of studies
Only in the Autumn Semester (September)

Application deadline
30 June
Candidates requiring a visa to study in Switzerland: 28 February.

Admission
Students, who fulfil the admission requirements of the University of Fribourg, will be further selected on the basis of an individual interview and their curriculum dossier. Refer to online information for details.

Contact
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Further information
http://www.unifr.ch/med/de/studies/mscebr
The Master of Science in Experimental Biomedical Research provides opportunities for a broad learning experience in the area of biomedicine. It emphasizes research training and acquisition of practical skills that will enhance your capacity to take on a future employment and/or develop a career in research. The program includes common core teaching and a choice among three options: «NEUROSCIENCE», «INFECTION, INFLAMMATION AND CANCER», «CARDIOVASCULAR AND METABOLIC HEALTH».

**What will I learn?**
- Advanced structure and function of biological systems
- Mechanisms underlying normal function and dysfunction of the human body at molecular, cellular and systems levels
- State of the art methods in biomedical research
- Essential skills: scientific thinking, formulation of scientific hypotheses, research project design, data analysis and interpretation
- Practical research skills necessary for scientific investigations in the medical field

**Academic and professional openings**
- Academic research
- Biotechnology
- Pharmaceutical industry
- Medical technology
- Health care sector

**Who can apply?**
Students with an undergraduate degree in Life Sciences or a related subject area.

**NEUROSCIENCE**
- Functioning of neural circuits and systems in health and disease in both humans and relevant animal models
- State-of-the-art approaches for diagnosing and repairing central nervous system dysfunctions

**INFECTION, INFLAMMATION AND CANCER**
- Topics at the forefront of medical research: inflammation in cancer and metastasis, immune response to cancer, development of antibiotic resistance in infectious diseases
- Emphasis on translational aspects and clinical relevance

**CARDIOVASCULAR AND METABOLIC HEALTH**
- Mechanisms of cardiovascular and metabolic diseases in an integrative way
- Integration among different organs or systems e.g., cardiovascular, renal, metabolic and endocrine systems