



# Bern University of Applied Sciences: Education and research

The Bern University of Applied Sciences, Engineering and Information Technology (BUAS-EIT) is strong in the areas of medical technology and medical informatics. It is committed to applied research and development and offers study-courses at the Bachelor and Master levels as well as part-time continuing education programmes.

## Bachelor's Degree Programmes

The BUAS-EIT is the first university of applied science in Switzerland to offer a bachelor's degree in medical informatics. It specifically prepares students for the development and integration of information and communication technologies in a medical environment. The well-established and popular interdisciplinary education in micro- and medical technology provides students with broad basic knowledge as a foundation for the development of innovative products.

## Master's Degree Programmes

The university Master's degree programme in Biomedical Engineering is offered by the universities in Bern and Basel in cooperation with the BUAS-EIT. This programme lasts four semesters and the majority of the courses are held in English. Students can select one of the following major modules (focal areas): Electronic Implants, Musculoskeletal System, and Image Guided Therapy. Successful graduation from the Master's degree programme qualifies students to work on a doctoral dissertation. This enables graduates of universities of applied sciences to enter academia.

## Continuing Education

The BUAS-EIT offers modularly structured part-time university studies in medical technology and medical informatics exclusively in Switzerland. The coordinated modules can be scheduled to correspond with the participants' professional demands and can be completed at various levels up to the Master of Advanced Studies. The practice-oriented tuition is based on reality-based scenarios around which the individual courses are grouped.

## Research and Development

At the BUAS-EIT numerous projects are realised in cooperation with industrial partners, hospitals, research organisations and other universities. These projects are based on intense cooperation between physicians, engineers and information technology professionals and form the framework for a great number of project papers and graduation theses for the students.

## Address

Bern University of Applied Sciences  
Engineering and Information Technology  
[www.ti.bfh.ch/med](http://www.ti.bfh.ch/med)

## Company Profile

Training of students in Bachelor's and Master's degree programmes  
Continuing education  
Master's degree and courses  
Applied research and development as well as services

## Key Data BUAS

5,673 students  
27 Bachelor's degree programmes  
19 Master's degree programmes  
1,945 lecturers  
(Reference: Activity report 2009)