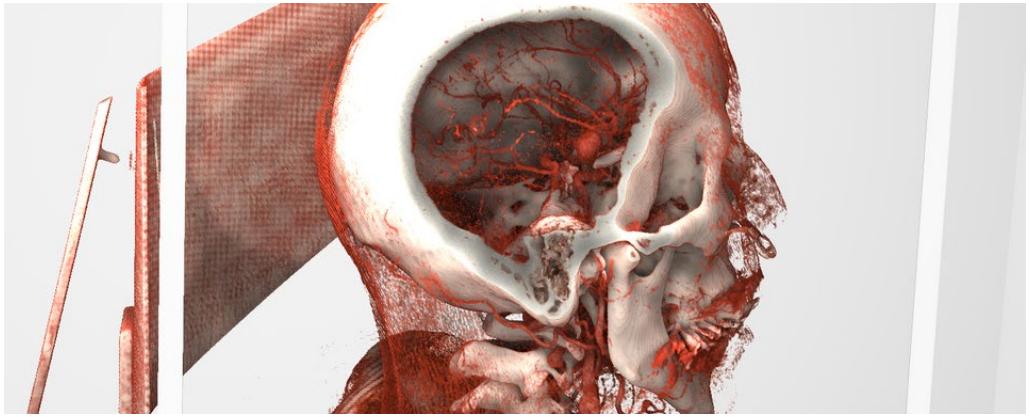
Joint MSc in Biomedical Engineering

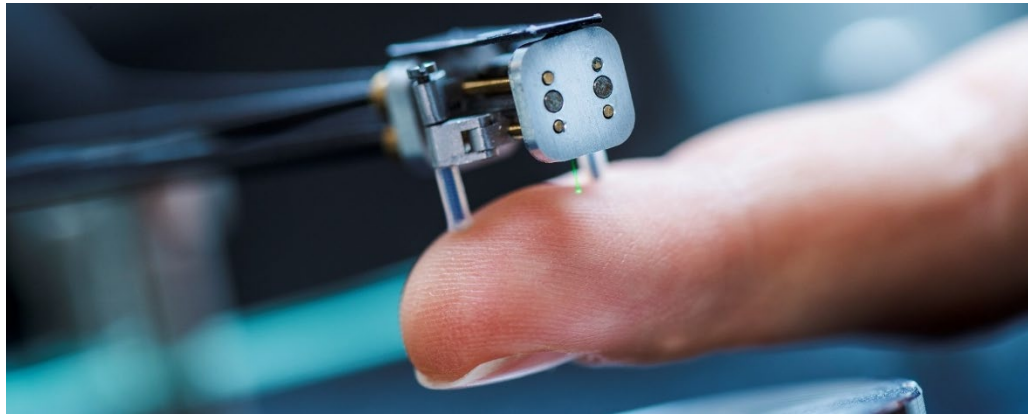
University of Basel

Department of
Biomedical Engineering

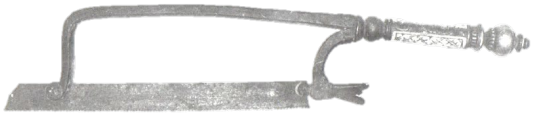
University of Applied Sciences and Arts Northwestern Switzerland
School of Life Sciences

What is Biomedical Engineering?





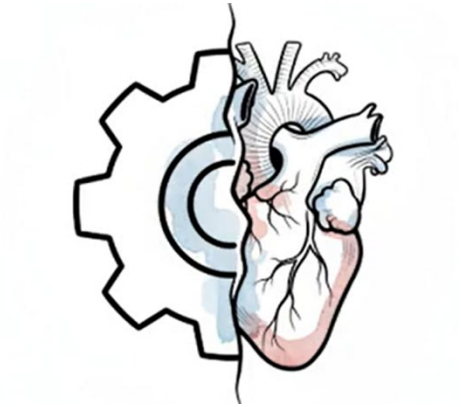
Develop / engineer tools to solve medical issues



New stone age (10’000 B.C.) Middle age Today

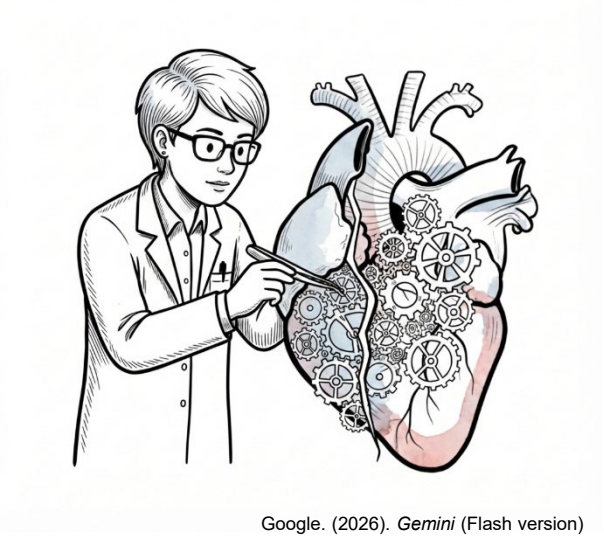
Find technical solutions for diagnostics and medical treatments

What is wrong?



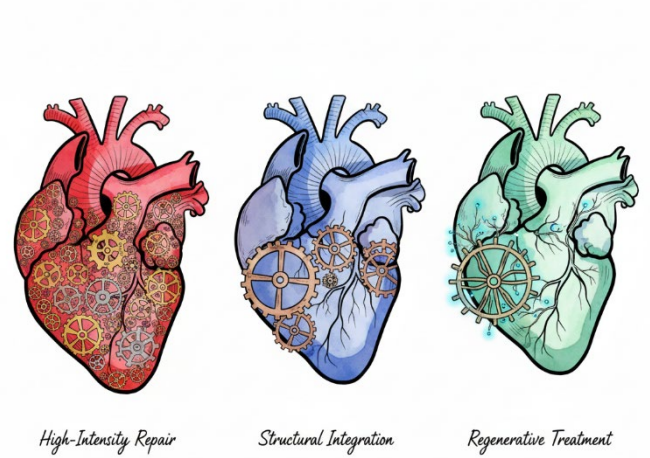
Google. (2026). *NotebookLM*

How can we fix it?



Google. (2026). *Gemini* (Flash version)

Create personalized treatments



Google. (2026). *Gemini* (Flash version)

2 Institutions – 1 Master:

Joint degree Master of Science Biomedical Engineering

University of Basel
Department of Biomedical Engineering

Fachhochschule Nordwestschweiz

Who can apply?

Medicine related Bachelors

- Biomedicine/Biomedical Sciences
- Dental Medicine
- Health Science and Technologies
- Human Medicine
- Pharmaceutical Sciences
- Sport, Exercise and Health Sciences

Natural Science Bachelors

- Biochemistry
- Biology
- Biotechnology
- Chemistry
- Computational Sciences
- Data Science
- Digital Life Sciences
- Computer Science
- Life Sciences and Technologies
- Materials Sciences
- Mathematics
- Medical Informatics
- Mikrotechnologies
- Micro - und Medical Technologies
- Mobile Robotics
- Nano Sciences
- Physics
- Photonics

Engineering Bachelors

- Civil Engineering
- Chemical Engineering
- Electrical engineering
- Mechanical Engineering
- Mobile Robotics
- System Engineering

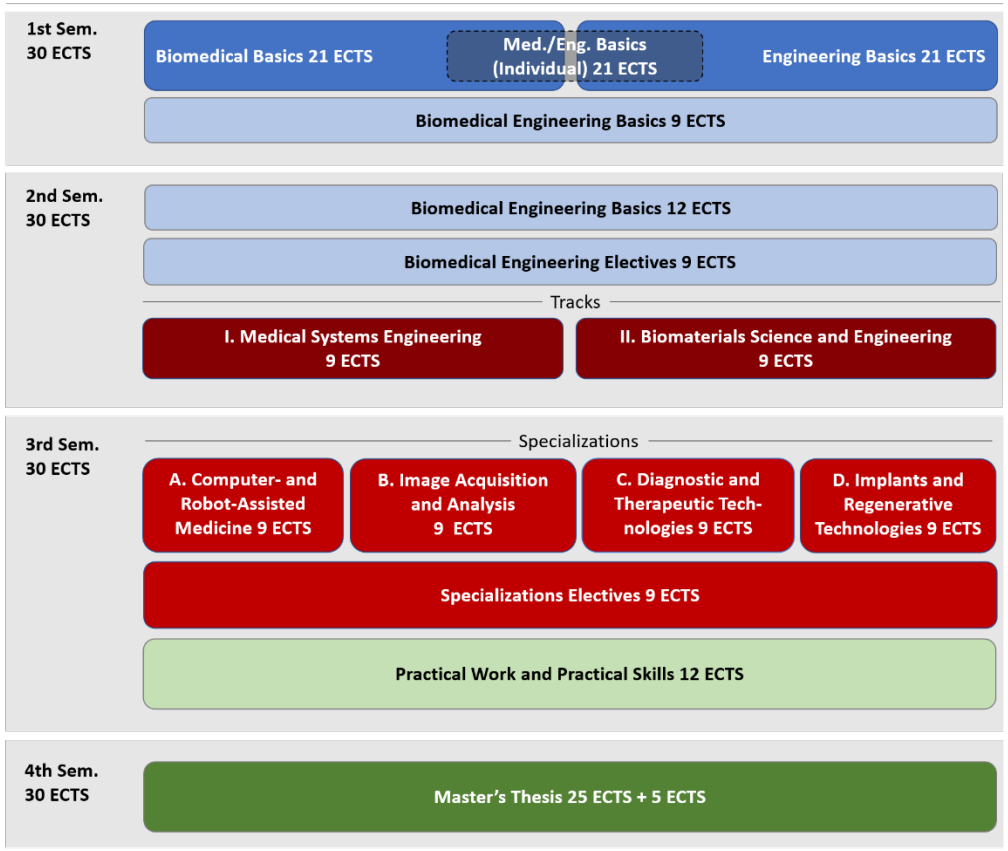
4 Semester Journey

Semester 1: Basics

Semester 2: More Basics and Choose a Track

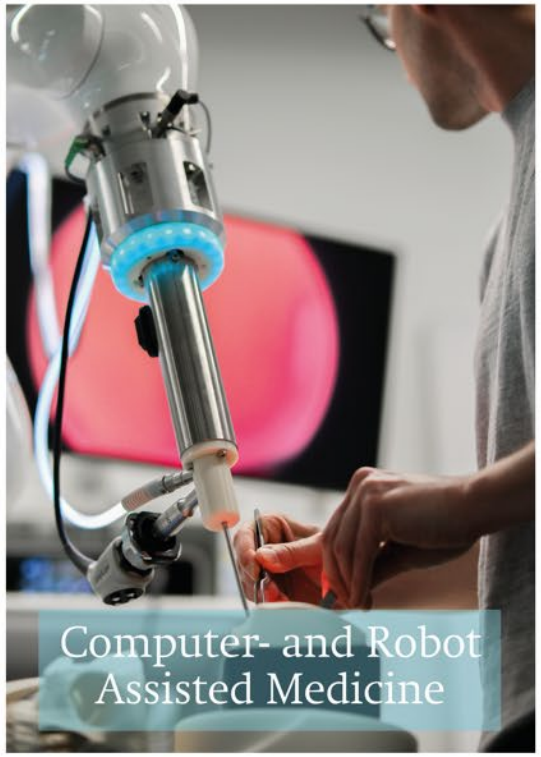
Semester 3:
Choose a Specialization and Gain Practical Experience

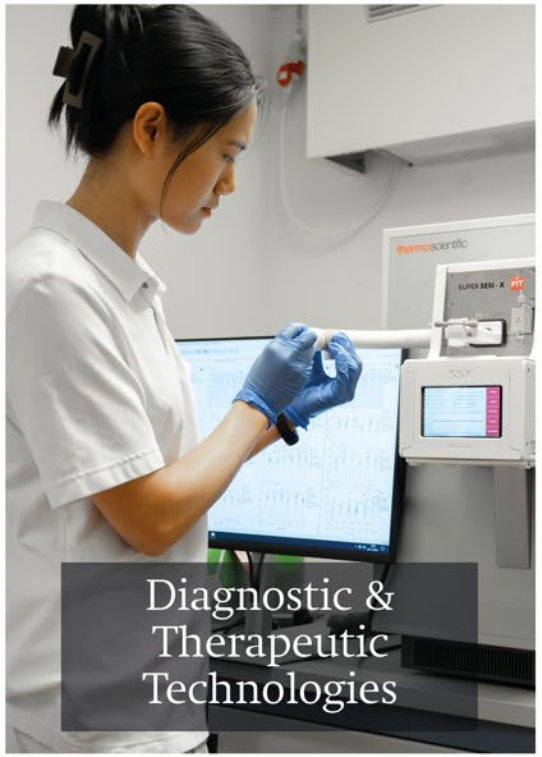
Semester 4:
Master's Thesis

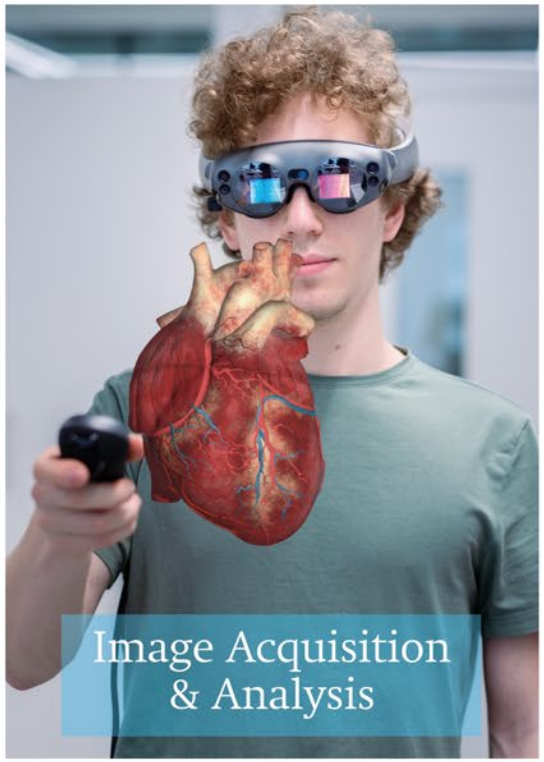


* Not all combinations of modules can be guaranteed

4 Specializations

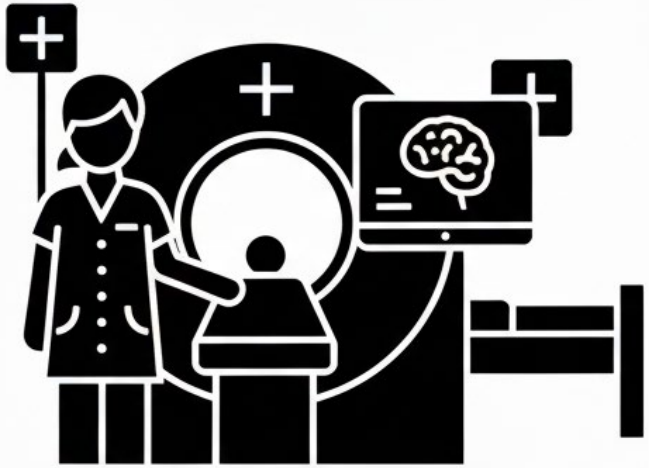






Career Prospects

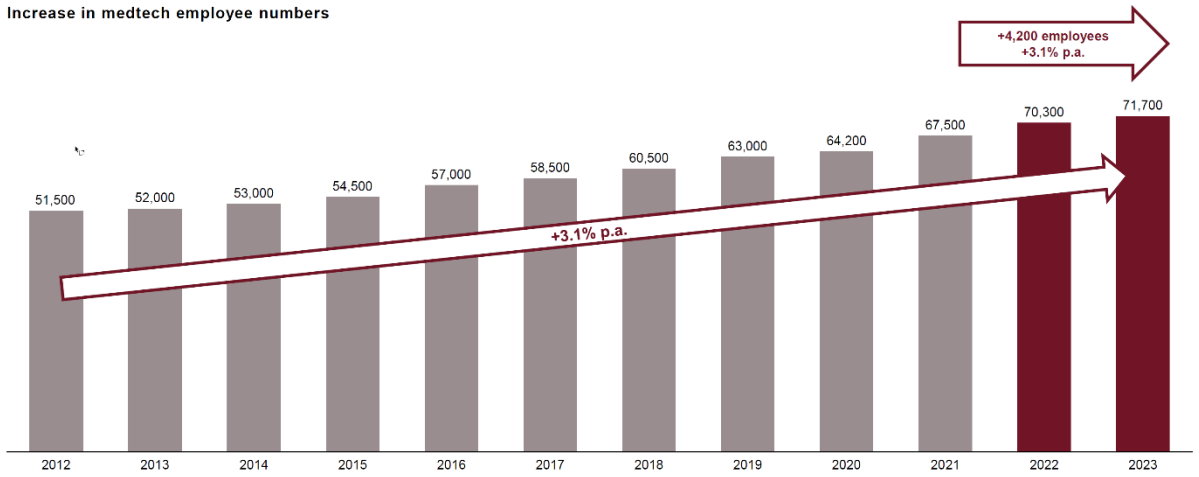
ACADEMIC RESEARCH ENGINEERER



CLINICAL SETTING

MED TECH

Strong and growing medical technology industry in Switzerland



Academic or Clinical Research Career

Thank You For Your Interest!

QUESTIONS? CONTACT US:

MEET US:

MEET OUR STUDENTS: