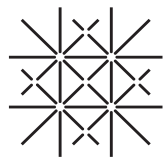


Joint MSc in Biomedical Engineering



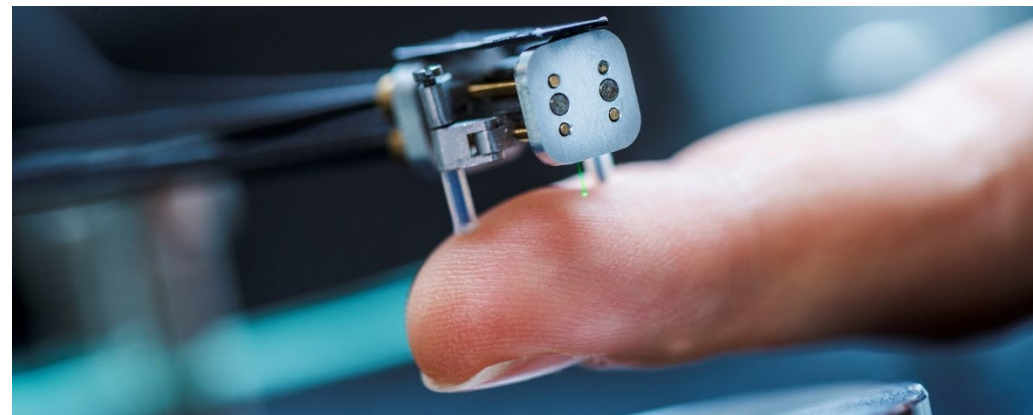
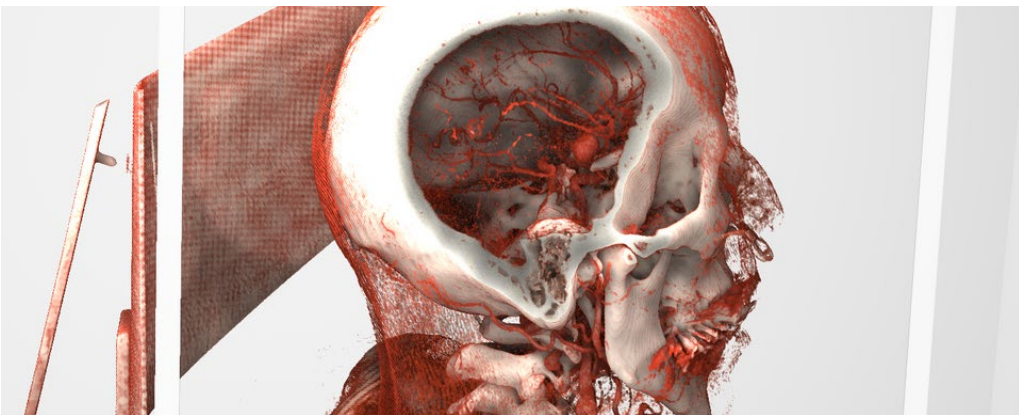
University
of Basel

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

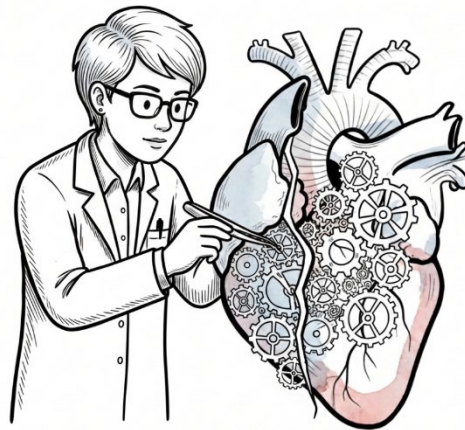
Find technical solutions for diagnostics and medical treatments

What is wrong?



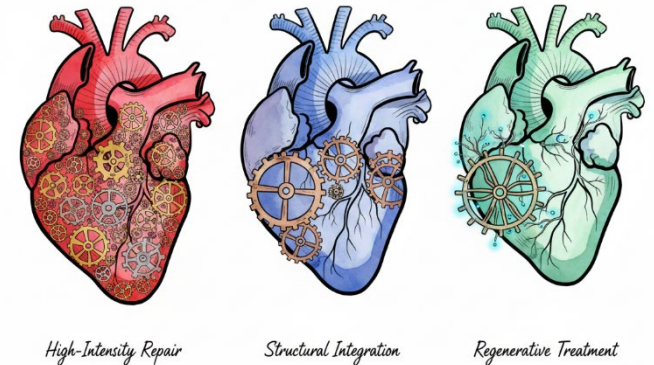
Google. (2026). *NotebookLM*

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



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

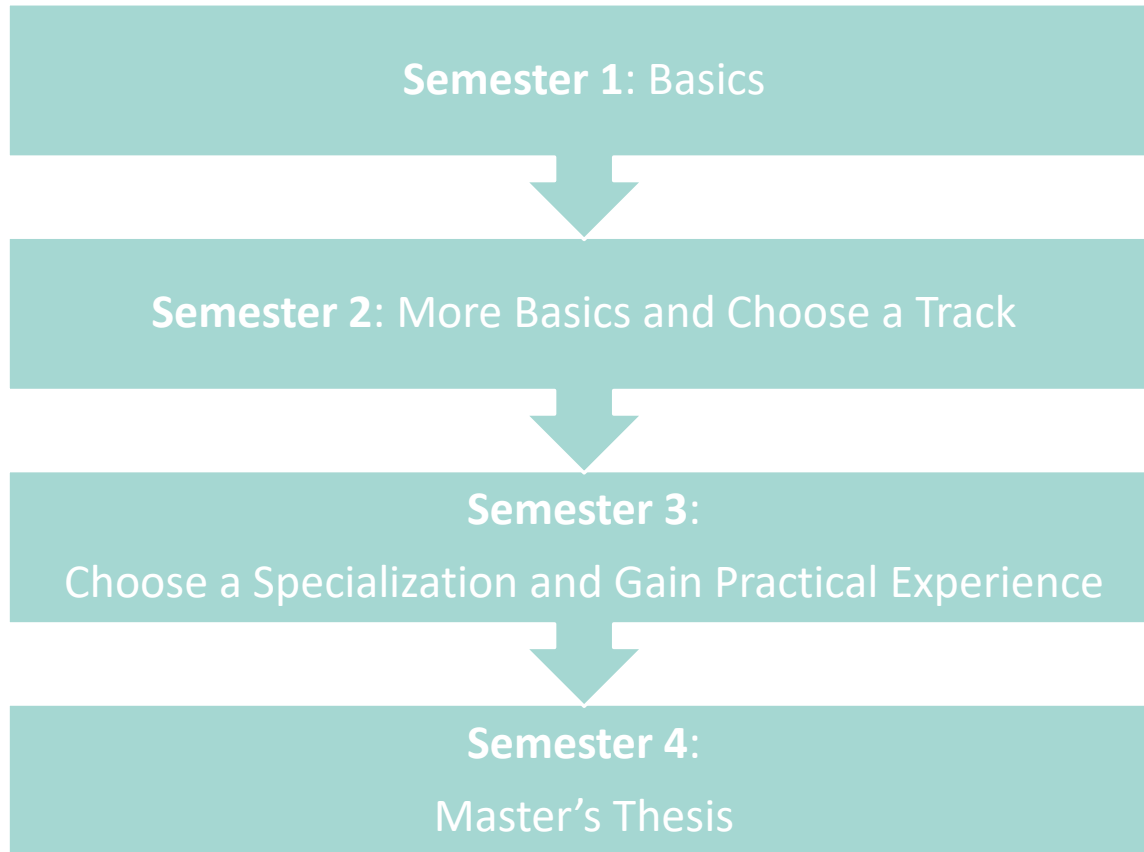
- Biochemistry
- Biology
- Biotechnology
- Chemistry
- Computational Sciences
- Data Science
- Digital Life Sciences
- Computer Science
- Life Sciences and Technologies
- Materials Sciences
- Mathematics
- Medical Informatics
- Mikrotechnologies
- Micro - und Medical Technologies
- Mobile Robotics
-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

Engineering Bachelors

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

related point of view.
English [ingl]
 language spo

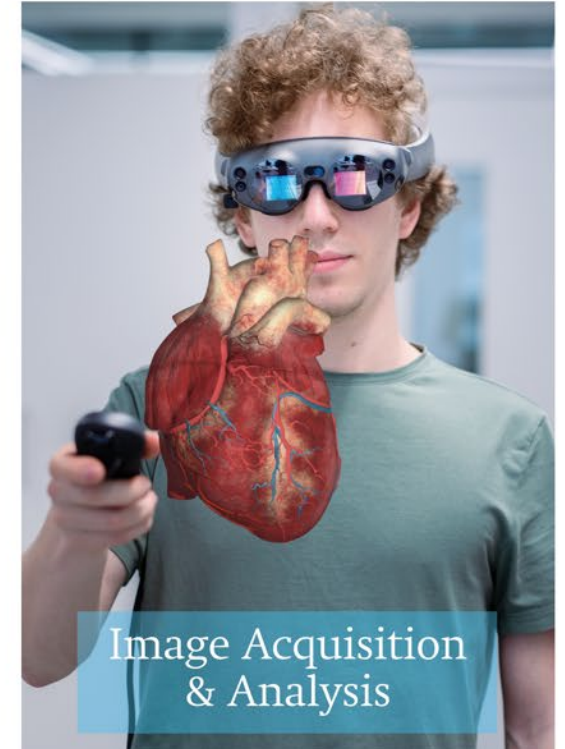
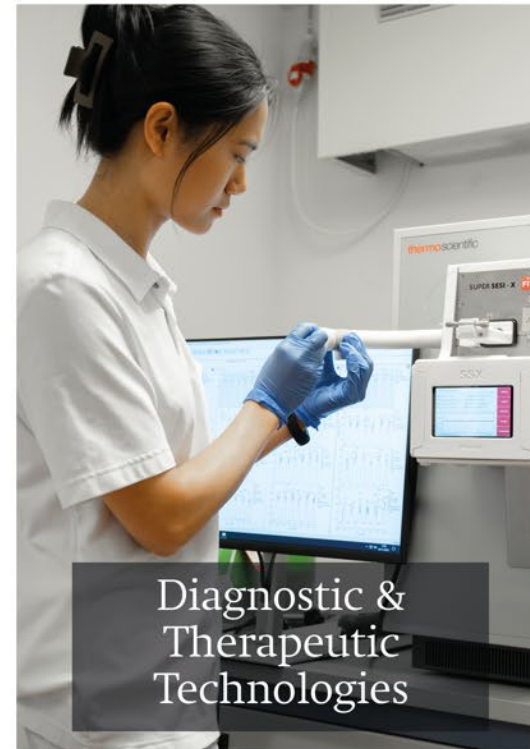
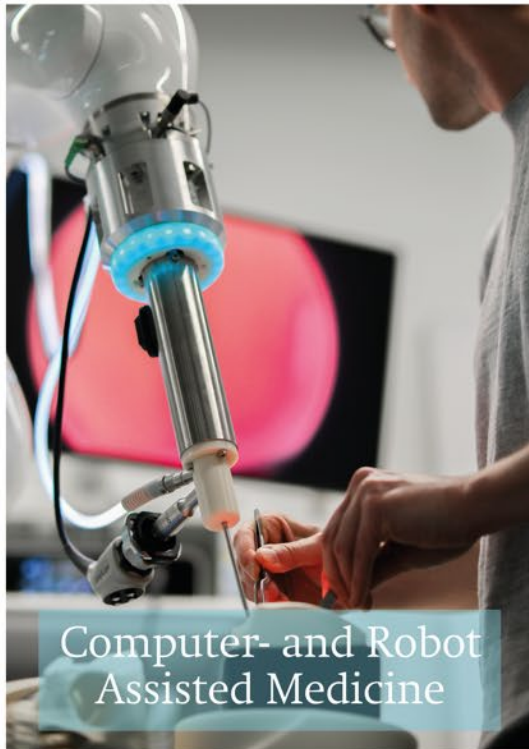
4 Semester Journey



1st Sem. 30 ECTS	Biomedical Basics 21 ECTS	Med./Eng. Basics (Individual) 21 ECTS	Engineering Basics 21 ECTS
	Biomedical Engineering Basics 9 ECTS		
2nd Sem. 30 ECTS	Biomedical Engineering Basics 12 ECTS		
	Biomedical Engineering Electives 9 ECTS		
	Tracks		
	I. Medical Systems Engineering 9 ECTS	II. Biomaterials Science and Engineering 9 ECTS	
3rd Sem. 30 ECTS	Specializations		
	A. Computer- and Robot-Assisted Medicine 9 ECTS	B. Image Acquisition and Analysis 9 ECTS	C. Diagnostic and Therapeutic Technologies 9 ECTS
	D. Implants and Regenerative Technologies 9 ECTS		
	Specializations Electives 9 ECTS		
	Practical Work and Practical Skills 12 ECTS		
4th Sem. 30 ECTS	Master's Thesis 25 ECTS + 5 ECTS		

* Not all combinations of modules can be guaranteed

4 Specializations



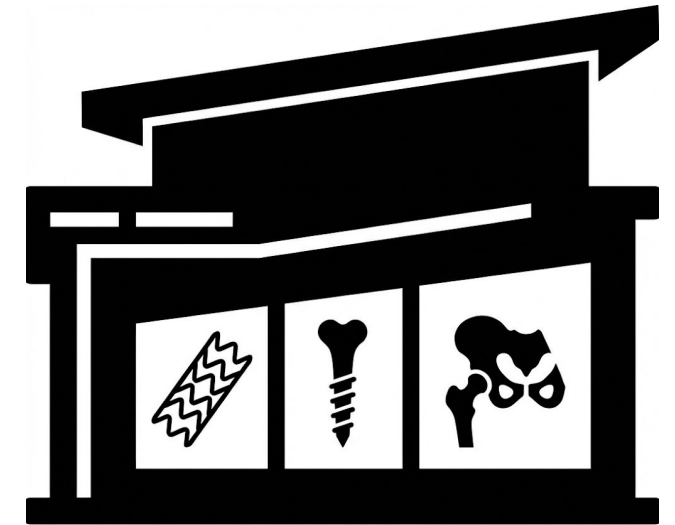
Career Prospects



**ACADEMIC RESEARCH
ENGINEERER**



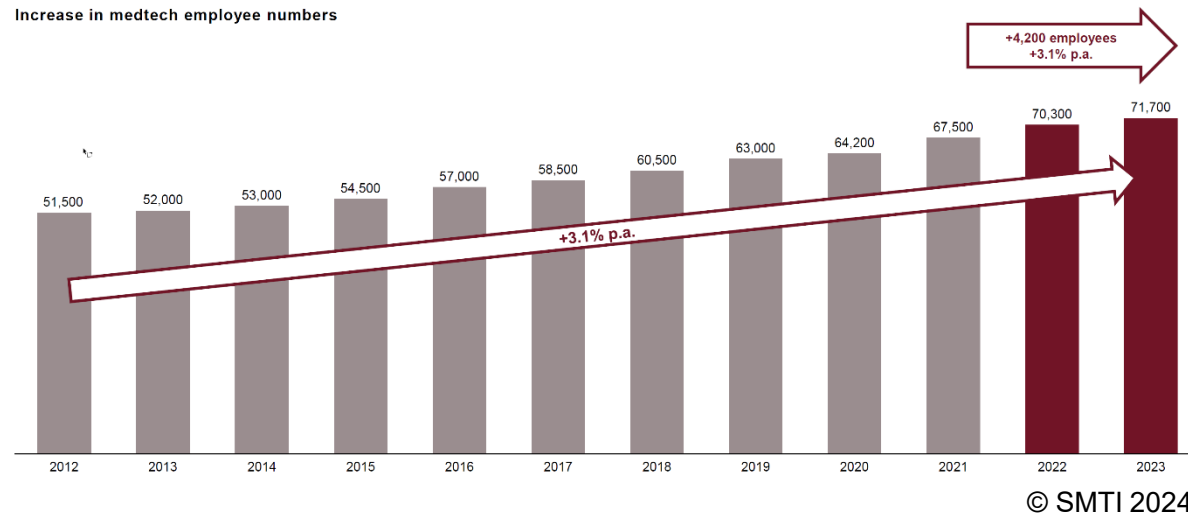
CLINICAL SETTING



MED TECH

Strong and growing medical technology industry in Switzerland

Increase in medtech employee numbers



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Johnson & Johnson MEDICAL
JABIL
HAMILTON
Roche Diagnostics
DePuy Synthes
COMPANIES OF Johnson & Johnson
straumann simply doing more
ZIMMER BIOMET Your progress. Our promise.[®]
BIOTRONIK excellence for life
YPSOMED SELFCARE SOLUTIONS
B | BRAUN SHARING EXPERTISE
Sanova Advancing health

Academic or Clinical Research Career



Thank You For Your Interest!

QUESTIONS? CONTACT US:

master-dbe@unibas.ch

MEET US:

12.03.2026
Kollegienhaus, 17 – 20
or visit us via zoom

MEET OUR STUDENTS:

**JOINT MASTER'S IN
BIOMEDICAL ENGINEERING**

The Master's program in Biomedical Engineering.