

## STUDY PROGRAM BIOMECHANICAL ENGINEERING



### Alt Study Program Biomechanical Engineering

#### Info+registration

##### What is it about? ▶

- ▶ development of medical-technical products of exoprosthetics and endoprosthetics (application on and in humans)
- ▶ application of principles and fundamentals of engineering to the development of medical devices and assistance systems

##### That's why you should study in Magdeburg: ▶

Individual student advising ▶

Apply Online! ▶

#### News

December 2022 | ▶ **Sawbone-Workshop: Hands-on experiences using surgical orthopedic instruments**

([https://www.bime.ovgu.de/bime/sawbone\\_workshop.html](https://www.bime.ovgu.de/bime/sawbone_workshop.html))

November 2022 | ▶ **Cochlea-Implantate-Workshop: Hearing again with the help of modern medicine**

([https://www.bime.ovgu.de/bime/cochlea\\_workshop.html](https://www.bime.ovgu.de/bime/cochlea_workshop.html))

Why study Biomechanical Engineering?



**The short answer:**

Improving the quality of human life by taking advantage of the unique interactions between engineering, technology, science and medicine!

**Here is the detailed answer ...click for more**

more...

Study Program Biomechanical Engineering at a glance

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- ▶ **Duration:** 4 semesters
- ▶ **Specializations:**
  - ▶ Exoprosthetics
  - ▶ Endoprosthetics
- ▶ **Final degree:** Master of Science (M. Sc.)
- ▶ **Enrollment:** Winter semester
- ▶ **Teaching language:** English
- ▶ **Place of study** Campus Universitaetsplatz + Medical Faculty Campus
- ▶ **Entry requirements:**
  - ▶ Relevant Bachelor's degree (at least 180 CP)
  - ▶ Average bachelor degree 2.5
  - ▶ English C1 level
- ▶ **Application Deadline:**

Application with German Bachelor degree: September 15th

Application with international Bachelor degree: July 15th

▶ **Further information on the study program** (<https://www.ovgu.de/en/Study/Study+Programmes/Master/Biomechanical+Engineering.html>)

Answers to questions like...



- ▶ What bachelor's degree do I need?
- ▶ Am I suitable for the study program?
- ▶ What do the specifications endoprosthetics and exoprosthetics focus on?
- ▶ You can find answers to these questions and more...

more...

What makes the Biomechanical Engineering program special:



- ▶ Technical and medical campus within one university for perfect study conditions
- ▶ Being actively involved in future topics of modern technology and medical development
- ▶ Excellent urban study conditions in Magdeburg

more...

EXOpOsthetics - Gallery





Modern exoskeletons require the complex interaction of various disciplines

more...

EXOprosthetics - Gallery



Exoprostheses in everyday life and in competitive sports must be optimally designed for mechanical loads

more...

ENDOprosthetics - Gallery



Cochlear implants to improve quality of life for the deaf

more...

ENDOp prosthetics - Gallery



Materials for bone screws and surgical instruments must meet the highest requirements

more...