

## 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

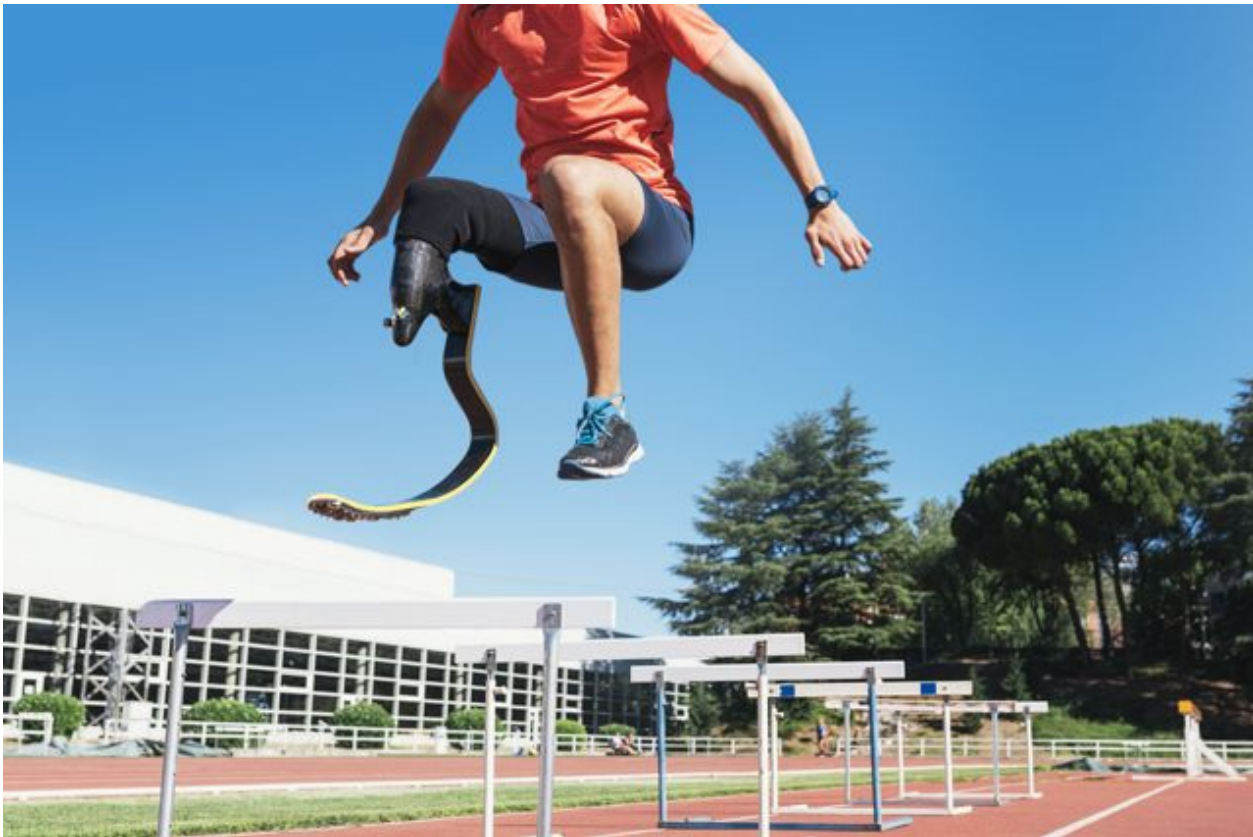
December 2022 | ► **Sawbone-Workshop: Hands-on experiences using surgical orthopedic instruments**

([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 here...

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...

EXOp prosthetics - Gallery





Modern exoskeletons require the complex interaction of various disciplines

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[EXOprosthetics - Gallery](#)



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

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[ENDOp prosthetics - 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...