Your Master plan: Robotics

Robotics, M.Eng.

PROGRAMME CONTENTS

- Robot dynamics
- Intelligent multi-agent systems
- Embedded systems
- Technical project management
- Machine learning
- ROS robot programming
- Industrial automation
- Robot-modelling & simulation
- Rehabilitation robotics

COURSE OF STUDY

- Duration: **3 semesters**
- Start: **summer semester**
- Teaching language: **English**
- **Applied & interactive teaching style**
- **Personal support**, **small groups** and **close ties** with professors

ENTRY REQUIREMENTS

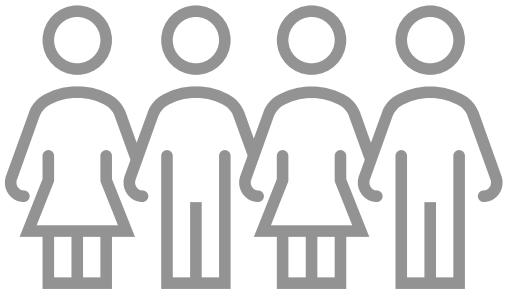
- **Bachelor‘s degree** in Mechatronics, Robotics or a closely related degree programme or an equivalent qualification
- **Admission test** (online or on-site)
- Language requirements:
  - **B2 English** certificate (if English is not your first language)
  - **A2 German** (if German is not your first language) by the end of your studies at DIT

Is this programme suitable for you?

Yes, if...

...you want to study in a **practical and interdisciplinary way.**

...you are passionate about **developing robotic systems for industrial, medical, or assistive applications**.



...you want to develop your expertise in **intelligent robotics, artificial intelligence, computer vision,** and **system engineering**.

...you have a Bachelor's degree in **Mechatronics, Robotics** or related fields.

...you are interested in working at the **interface of humans and robots**.

...you are motivated to apply your knowledge to **real-world robotics challenges** and contribute to **innovative solutions**.

Highlights

- Strong **practical orientation**: project-based learning, case studies and practical training
- **Interdisciplinary approach** – bridges mechanical, electrical, and computer engineering
- **International Environment**, 100% taught in English
- **Modern facilities** and state-of the art laboratory equipment

Robotics – what's next?

The programme prepares you to take on **key roles** in a **wide variety of positions** in **different areas** depending on your personal interests and background.

Job profile

- Robotics engineer
- AI specialist
- Autonomous vehicle engineer
- Human-robot interaction design
- Research & Development
- Teaching
- ...

Areas and industries

- Healthcare & Medical Devices
- Research and Innovation Labs
- Automotive & Mobility
- AI and Data Science Development
- Industrial Automation
- ...

Helpfull soft skills

- Communication
- Continuous Learning Mindset
- Teamwork & Collaboration
- Adaptability
- User-Centered Thinking

Would you like to find out more?

Would you like more detailed information about the programme, or do you have any questions?

You are very welcome to contact **studium-cham@th-deg.de**.