You are interested in the Master course Mechatronic and Cyber-Physical Systems and would like to know more about it?

Technology Campus Cham
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General enquiries about studying at DIT
Email: welcome@th-deg.de
Web: www.th-deg.de/io-en

Application period
- 15 April - 15 July for October entries
- 15 November - 15 January for March entries

Online application
www.th-deg.de/application

Deadline for submitting documents
- Proof of higher education entrance qualification on or before 27 July

Notice of acceptance or denial
- Via email by mid-August

Enrolment
- Via regular mail by mid-August

Late placement for open spaces
- Via waiting list

Prep courses
- In September: www.th-deg.de/prep-courses

Semester start
- Annually in October and March

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Intelligent, self-regulating, sensor-based and networking production systems are to enable "smart factories" in the near future. Apart from this industrial Internet of things (IIOT), robots, on the other end of the spectrum have even become relevant in social areas. Many surgical interventions are robot-assisted and even in nursing, more and more technology is implemented. Automatization, digitalisation and robotics are developing at a very high rate. The big topics, such as virtual and augmented reality, autonomous driving and ambient assisted living will have an enormous impact on our daily lives. The demand for highly-qualified staff will increase steadily over the next few years and experts are sought after more than ever.

You and your creative ideas can be the answer to those questions. You can be the person in demand, who is sought after in a more and more digitalised world. With a master’s in Mechatronic and Cyber Physical Systems, you meet the needs of future jobs and can shape the future.

The consecutive master course enables graduates with a bachelor’s degree in Mechanical Engineering and other related fields of studies a comprehensive additional education about digital production and networking systems.

In four technology-oriented study parts over three semesters, you are taught about modern simulation systems, cooperative and autonomous systems, innovative human-machine interfaces as well as additive manufacturing processes.

Two inter-disciplinary units allow for an in-depth look at specific application fields of cyber physical systems as well as the functional safety of software-based control and automatization systems.

This course is taught in English, due to its global relevance, so you not only improve your technological expertise. As a Master of Engineering (M.Eng.) you also significantly improve your chances on the international job market.

### YOUR COURSE CONTENT

| 2. Sem. | Virtual Reality/Augmented Reality, Mobile and adaptive HMI, Case Study VR/AR in System Engineering, Technologies of Additive Manufacturing, AM production process, Case Study Cyberphysical production systems using AM, course-related elective subject (FWP) e.g. Software Engineering, CPS in Logistic Systems, Change Management |

YOU SHAPE THE FUTURE

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