

OVERVIEW

Degree

- Master of Engineering (M.Eng.)

Duration

- 3 semesters

Start

- March (summer semester)

Admission requirements

- the fields of industrial engineering, technical physics, mechanical engineering, electrical engineering, mechatronics or a degree that is equivalent to such a university degree.

Fees

- No tuition fees
- Student service fees €62 per semester

APPLICATION

Application period

- from 15 April for winter semester in Deggendorf
- from 15 November for summer semester in Cham

Online application

- in the Primuss-Portal at www.th-deg.de/bewerbung

Notice of acceptance oder denial

- in the Primuss-Portal until mid-August/
beginning of February

Enrolment

- you will find information on this in the admission notice

Late placement for open places

- Via waiting list

Deferred admission

- will not be granted

Prep courses

- September www.th-deg.de/prep-courses (no obligation)

Semester start

- 01 October in Deggendorf
- 15 March in Cham

STUDY LOCATION

Technologie Campus Cham
Badstraße 21
93413 Cham, Germany



+49 9971 99673-0

studium-tc-cham@th-deg.de

www.th-deg.de/tc-cham

CONTACT

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

General enquiries about studying at DIT in Cham

studium-tc-cham@th-deg.de

General enquiries about studying at DIT in Deggendorf

zsb@th-deg.de

www.th-deg.de/zsb

+49 (0)991 3615-373

Contact for internationals

welcome@th-deg.de

www.th-deg.de/en/study-with-us/info-for-internationals



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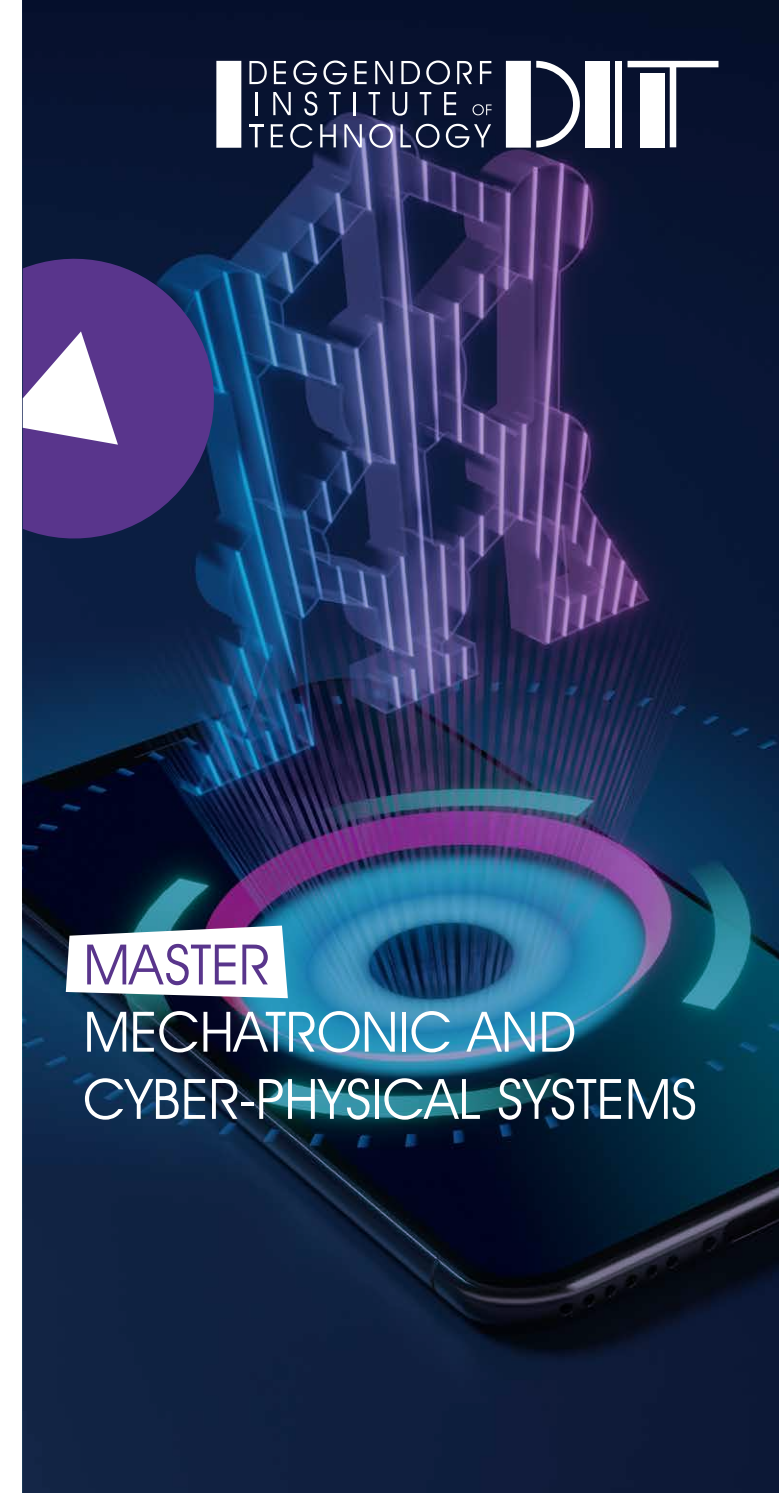
AWARDING THE BEST PERFORMANCE PRIZE



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www.th-deg.de/mcs-cham-m

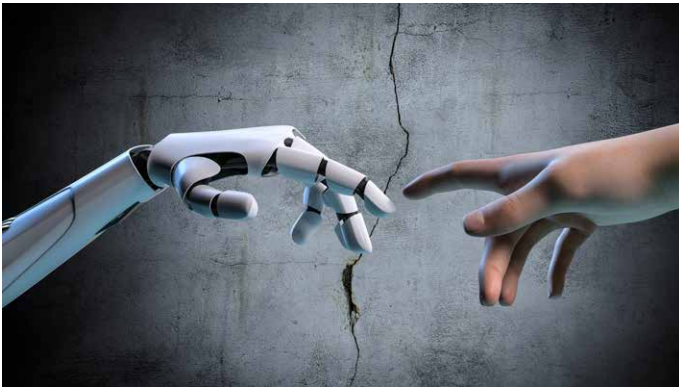
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▶ YOUR COURSE

The consecutive master course enables graduates with a bachelor's degree in Mechatronics 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.



The Case Studies in four of the eight modules strengthen personal and social skills as well as professional skills. Individual scenarios are worked on in small teams. Different approaches come together and are discussed in order to find a practical solution, which prepares you very well for your future career.

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.



▶ OUR COURSE CONTENT

1. Sem.	Structure and Functions of Cyber Physical Systems, Business Models for CPS, Advanced Robotics, Autonomous systems, Case Study Cooperative and autonomous systems, Advanced Modeling and Simulation, Case Study Mechatronic System Simulation
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 Mangement
3. Sem.	Principles of Functional Safety, Design of safe Systems

▶ YOU SHAPE THE FUTURE

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 prospective and can shape the future.

