

# INTERNATIONAL PROSPECTUS

Degree courses and exchange programmes taught in English.

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**Top International Awards & Rankings**  
Find out more  
[/why-study-at-dit](#)



**Enjoy the diverse community**  
9,400+ students



**Exchange semester opportunities in**  
220 partner unis worldwide

Wow

**Feel at home among**  
49% international students



**19 Locations**  
3 teaching campuses  
16 research & technology campuses





## TOP LOCATION

Within Germany, Bavaria is ranked as the top location for history, culture and education. The unemployment rate is exceptionally low as countless companies are based around the region even in rural areas, including many international companies, such as BMW, Einhell, Sky, Lindner and Continental.

## TECHNOLOGY CENTRES

Technology campuses are a unique concept of our university.

In these campuses, which are dotted locally around the region, staff and students undertake research projects in collaboration with regional and international businesses for direct implementation into their products, systems or production lines.



# About the university

## ACADEMIC EXCELLENCE

We strive for academic excellence and indeed rank among the best universities of applied sciences in Germany. Founded in 1994, we are a modern, multi-award-winning and excellently equipped university offering professionally relevant undergraduate and postgraduate degree courses set in a relaxed and safe environment.

We support our students with many facilities, such as a range of student clubs, an extensive sports programme, and large, competent service centres such as the International Office or Career Service.

## THE CHOICES

Our student population of around 9400, including half international students, study a range of degree courses taught in English or German.

DIT is committed to producing global graduates with international degrees: 220 partner universities around the world provide students with many opportunities to gain experience and earn credits towards their degree through foreign exchange semesters, internships and double-degree studies abroad. All undergraduate degrees include a compulsory internship semester which can be undertaken either locally or abroad.

## TEACHING CAMPUSES

Students are distributed throughout eight faculties on three campuses. The main campus in Deggendorf has a large range of degree programmes instructed in either English or German. In the European Campus Rottal-Inn, all students are taught predominantly in English, and Campus Cham is a small and cosy international hub for AI and mechatronic students. These three teaching campuses are one hours drive apart and both are in Bavaria, Southern Germany.

DIT follows the "National Code of Conduct for German Universities Regarding International Students." The guiding principle of this code is to grant international students the same rights, service and assistance as are available to EU students.



Rankings

Find out more at [www.th-deg.de/why-study-at-dit](http://www.th-deg.de/why-study-at-dit)





# Accommodation

## STUDENT ACCOMODATION - COMFY & CONVENIENT

In Deggendorf, the majority of international students live in the twelve student parks, which are all within easy walking distance of campus and all other amenities in town.

These student parks which are attractive low level apartment blocks consisting of compact, modern and newly built furnished and self-contained flats mainly for single occupation, although other options are available. Most dorms have a communal lounge, laundry room, wifi, parking spaces and a bike lock-up.

In Pfarrkirchen, new student accommodation in Alois-Gäßl-Straße, managed by the Studentenwerk Niederbayern/Oberpfalz is available for you as a student of the European Campus. In Cham, private and affordable accommodation can be found in the town and surrounding area.

**Find out more:** [www.th-deg.de/en/study-with-us/accommodation](http://www.th-deg.de/en/study-with-us/accommodation)



### Finding Accommodation

All residential students are expected to pay a returnable deposit for their furnished apartment. This is a singular payment of 450 - 700 Euros, made payable to the landlord, either prior to, or arriving in Deggendorf.

Additionally, rent must be paid monthly in advance. See p80 for rental fees. The International Office can help you with your accommodation inquiries:

[accommodation-dit@th-deg.de](mailto:accommodation-dit@th-deg.de)

# International Office & Career Service support

With a student population of almost half international students, we are a cosmopolitan university. Our dedicated team in the International Office will help and support you with all academic, cultural, financial or organisational matters. Our 220 partner universities in over 60 countries around the globe mean that you have a great choice if you wish to participate in a study semester abroad, when you can earn credits towards your degree here at DIT. We host information events to help you plan either study or an internship abroad.

**Learn more:** [www.th-deg.de/en/students/internationals](http://www.th-deg.de/en/students/internationals)

The Career Service won a national award of excellence for recognition of the work undertaken to help graduates transfer smoothly from their academic to their professional careers. This work involves organising seminars and workshops related to professional soft skills or writing a CV for example, a buddy programme for freshers, an annual job fair, company mentorship, scholarship programmes and a university database advertising available jobs for students and graduates.

**Learn more:** [www.th-deg.de/en/students/career](http://www.th-deg.de/en/students/career)

### Orientation Week

On arrival, international freshers and exchange students take part in an introductory orientation week. In addition to many organised social events, detailed course information and practical support with all necessary formalities is given: i.e. registering at the town hall or opening a local bank account.

**Find out more:** [www.th-deg.de/exchange-students/#ow](http://www.th-deg.de/exchange-students/#ow)



## INTERNATIONAL EVENTS

- Bavarian intercultural training
- "Presenting my Country" evenings
- Trips to the Oktoberfest, Alps, etc
- International food fair
- Intercultural social events
- Campus cinema evenings
- Summer festival on campus
- Events for study or work abroad

Please note that events may vary from campus to campus.

**Find out more:** [www.th-deg.de/en/students/campus-life](http://www.th-deg.de/en/students/campus-life)



## Language classes

### GERMAN LESSONS FOR BEGINNERS

International students with no knowledge of the German language, have the chance to learn German in intensive classes, both before and during the semester. These courses are structured around participants' abilities. We also offer a tandem course, where a German and an international student learn each other's native language.

### GERMAN LESSONS FOR INTERMEDIATES

"Let's get Started" is a preparation semester for international applicants, who have a university entrance qualification but an insufficient level of German for admission to a German taught degree programme. Based in Deggendorf, it is structured to prepare applicants for studying in German (see p76 for a list of courses in German), who must have a min. GER level of B1 to enroll. Participants take the required TestDaF admission exam in our campus examination centre in July, in preparation for the semester start in October.

**Learn more:** [www.th-deg.de/en/study-with-us/prep-courses](http://www.th-deg.de/en/study-with-us/prep-courses)



### Widen your range?

Additionally, we offer various non-German language courses from beginner level A1 upwards, e.g. Chinese, French, Italian, Portuguese, Russian, Spanish and also advanced Business and Technical English.

**Find out more:** [www.th-deg.de/en/students/language-electives](http://www.th-deg.de/en/students/language-electives)

## Research at DIT<sup>!!!</sup>

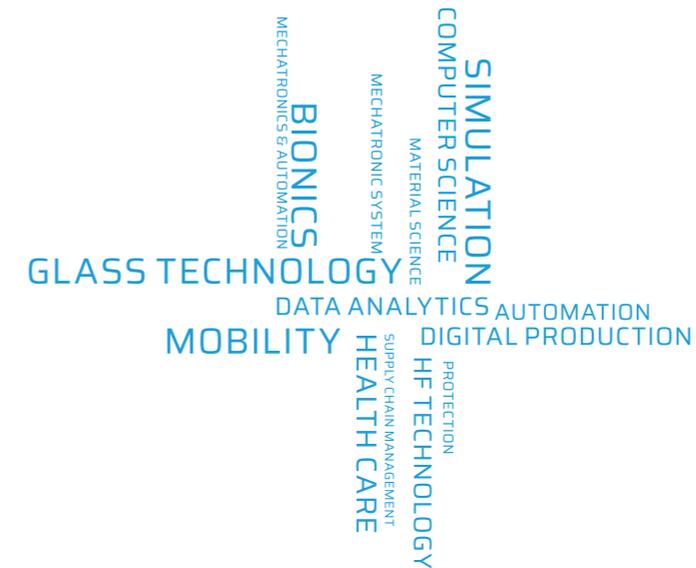
Applied research and an active knowledge and technology transfer are essential for modern, rapid, scientific and technological progress.

Therefore, our three teaching campuses are supported by a network of 16 research & technology campuses, each specializing in a particular area of science, as shown on the diagram.

These campuses are an integral part of our university, where master students can undertake applied research work in their topic of choice.

They are all dotted around the region of Eastern Bavaria relatively close to the main campus in Deggendorf.

**Learn more:**  
[www.th-deg.de/en/research/technology-campuses](http://www.th-deg.de/en/research/technology-campuses)





# CAMPUS LOCATIONS

From our flagship campus in Deggendorf, to the European Campus or the cozy campus in charming Cham, you too could make one of these campuses into your special place

## GETTING AROUND

The Deggendorf campus is within easy walking distance of town centre, student accommodation and all local amenities. All areas are well lit and safe at all times of day and night.

Additionally, Deggendorf has excellent public transport links. Bus, coach and train services take passengers to all parts of mainland Europe. Munich international airport only one hour away, making travelling quick, efficient and enjoyable.

## FANTASTIC FACILITIES

International Office	Bavarian/Malaysian Centre	Language centre	Student clubs
ESN, an international student club	Tutor support programme	E-learning centre	Career Service
Student advice centre	Library and copy shop	Campus cafes and canteen	Sports programme
"Little Ducks" childcare centre	Alumni network		



**Deggendorf**  
Hochschulstadt



## Location & lifestyle

### DEGGENDORF - A GREAT PLACE TO LIVE AND STUDY

Our main campus in Deggendorf was originally built more than 30 years ago and has recently undergone a vast extension. It is based around a modern, central courtyard with water features complete with a hovering deck, where staff and students enjoy the relaxed atmosphere whilst having socialising, revising or just hanging-out. A range of events are held in the campus courtyard every year, the largest events being our popular campus fest and summer open-air music festival.

Most importantly, all faculties, workshops and service centres for our students are based in, on and around our campus, creating an open, friendly and communicative environment among staff, students and teaching staff. All faculties and service centres naturally have wheelchair access.

The beautiful town of Deggendorf has a population of over 35,000 and is located on the banks of the River Danube. It's a charming location at the foot of the Bavarian mountains, just north of Munich and close to the Austrian border and the Alps.

Our students enjoy vibrant social lives as Deggendorf has plenty to offer! The town has a great variety of restaurants, cafes and pubs, plus many cultural festivals and events.

It has an excellent network of bike trails, leisure cruise ships on the river Danube and a surrounding hilly landscape that provides a stunning natural backdrop to enjoy the countless recreational activities on offer.

### LOCAL LEISURE FACILITIES INCLUDE

- A rowing club on the River Danube just 50 metres from campus
- Skiing slopes 20 minutes away
- Mountain biking, hiking and paved inline skating trails all around
- A fantastic indoor and outdoor recreational swimming oasis
- An indoor ice rink for ice skating and ice hockey
- Athletics track
- Recreational town park
- Rock climbing and paragliding centres nearby
- FC Bayern Munich stadium is just one hours drive away
- Plus, all students can join university clubs that offer a range of sports and social activities.

Learn more about the campus: [www.th-deg.de/deggendorf-en](http://www.th-deg.de/deggendorf-en)

### GETTING AROUND

The European Campus Rottal-Inn is situated within easy walking and biking distance to Pfarrkirchen town centre and all local amenities. Newly built apartments suitable for student accommodation are very nearby.

Pfarrkirchen has public transport links, including a train station and bus services. Munich international airport is 90 mins away, making travelling efficient and enjoyable.

### FANTASTIC FACILITIES

International Office	Language Centre	Student clubs	Tutor support programme
E-learning centre	Career Service	Resp. club	Student advice centre
Library	Copy shop	Campus canteen	Sports programme
Alumni network			



Pfarrkirchen

## ECRI COOPERATION AGREEMENTS

- Academic Institutional Member to the International Society for Telemedicine and eHealth (ISfTeH)
- International Medical Informatics Association (IMIA)
- European Federation for Medical Informatics (EFMI)
- Health Information Management Systems Society (HIMSS)

## Location & lifestyle

### PFARRKIRCHEN - CHARMING AND PICTURESQUE

The European Campus Rottal-Inn is nestled in the town of Pfarrkirchen among rolling, picturesque hills between the Danube and Inn rivers, close to Austrian and Czech borders and near to the large, cosmopolitan cities of Munich and Salzburg.

Pfarrkirchen has become culturally renowned in the area due to its exceptional art exhibitions, museum nights, festivals and events throughout the year. In summer, the old town festival tempts thousands of visitors with its multicultural culinary and musical events. All year round, students enjoy the relaxed Bavarian atmosphere in local cafés, restaurants and markets in the traditional town square.

The surrounding beautiful Rott Valley has a huge range of appealing leisure activities, being well-known for its spas, golf courses, equestrian sports and extensive bike network. All students can join university clubs that offer a range of sports and social activities.

### LOCAL LEISURE FACILITIES INCLUDE

- Open air heated swimming pool
- A long distance riverside cycle path
- A large swimming lake with rowing boat hire
- Lakeside cross-country skiing tracks in winter
- Europe's largest continuous golf resort nearby
- Health spas and thermal springs
- Local Nordic walking routes
- Local airfield for gliders and small aircraft
- Typical Bavarian Christmas market with live music, culinary specialities and homemade crafts
- Annual carnival and town festival

**Learn more about the European campus:**

[www.th-deg.de/ecri-en](http://www.th-deg.de/ecri-en)

### GETTING AROUND

There are plenty of shops, restaurants and leisure facilities within walking distance of the campus, which is only a ten minute walk from the town centre of Cham.

The airports of Munich and Nuremberg are under 2 hour's journey away from Cham and can be easily reached by car or train. On weekday afternoons and weekends, local public transport is free for students with ID under the age of 23.

### FANTASTIC FACILITIES

Although the campus is very compact, Cham students enjoy personal assistance from a student advisor on campus for all international and careers inquiries. These are:

International Office	Language Centre	Career Service	Tutor support programme
E-learning centre	Student advice centre	Library	Copy shop
Campus canteen	Sports programme	Alumni network	

Cham

TECHNISCHE  
HOCHSCHULE  
DEGGENDORF **THD**  
Campus Cham



## Location & lifestyle

### CHAM - RIVERSIDE RELAXION

Campus Cham offers a unique atmosphere. Situated directly on the banks of the Regen river, students can complete their studies, relax and socialise in a scenic riverside environment. It is a new and compact campus with over 600 students, 75% being international students representing 25 nations from around the world.

Due to its small size, students benefit from intensive personal supervision in small study groups. A flexible campus administration with an open-door policy helps international students in particular to settle in.

The town of Cham has a population of approx. 17,000 and is situated about 60km north of the city of Regensburg next to the mountainous Bavarian Forest in south-east Bavaria. It is a lively country town hosting many leisure and cultural events, a fun place to live and study!

### LOCAL LEISURE FACILITIES INCLUDE

- Leisure park
- Swimming pool with river access
- Beach volleyball
- Basketball
- Football pitch
- Table tennis
- Skater park
- Climbing hall
- Cinema
- Cultural centre
- Shops and restaurants

Many of these sports facilities are in Cham's municipal leisure park. In addition to this, The Bavarian Forest, a beautiful mountainous area filled with walking and biking trails, is close by.

**Learn more about the Campus Cham:**  
[www.th-deg.de/en/campus-cham](http://www.th-deg.de/en/campus-cham)



## EXCHANGE PROGRAMMES

Complete one of your semesters and earn credits whilst widening your horizons and experiencing an exciting adventure here in the heart of Bavaria



## GAIN INTERCULTURAL SKILLS & EXPERIENCE

Apart from being an adventure, these exchange programmes offer students valuable experiences on both personal and educational as they receive a top education whilst learning how to adapt and socialise in a foreign culture.

Optionally, after completing their exchange semester, our university career service supports exchange students to find internships in either regional or international companies, to maximise the benefit of their international exchange experience.

### Duration

5 – 11 months (equivalent to 1 – 2 semesters)

### Fees

82 Euros per semester

# Exchange programmes

As a student from a partner university, you can complete one of your semesters and earn a max. of 30 credits whilst widening your horizons and experiencing an exciting study semester here in Bavaria.

We have different types of short exchange programmes for bachelor and master students:

- General Engineering
- General Business
- International Computer Science
- General Health (new Exchange programm)

### Find out more about course options for our exchange students

[www.th-deg.de/exchange-students#course-choices](http://www.th-deg.de/exchange-students#course-choices)

## PREREQUISITES

To be eligible participants, students must have completed at least two semesters (or one year) of a relevant bachelor degree in their home university.

As lectures are completely taught in English, a good to excellent knowledge of the English language (level B1-C1 according to the CEFR – Common European Framework of Reference for Languages) is required.

No prior knowledge of the German language is required.

## LANGUAGE FOCUS

Students without any knowledge in German have the opportunity to participate in an intensive language course during the orientation week to learn a basic German. Students at an intermediate level have the chance to improve their German to a more proficient level (B2-C1).

### More details:

[www.th-deg.de/en/students/language-electives](http://www.th-deg.de/en/students/language-electives)

## ORIENTATION WEEK

The Orientation Week with intensive German prep course is an essential event for international students. During the Orientation Week, we will help you make friends, settle in and guide you into a smooth start.

### More details:

[www.th-deg.de/exchange-students#ow](http://www.th-deg.de/exchange-students#ow)

## SUBJECT SELECTION

A full list of Business, Engineering and Computer Science, Health Science subjects available for selection can be viewed on our website. Please view the website and look at the “course overview” link.

### Find out more:

[www.th-deg.de/exchange-students#course-choices](http://www.th-deg.de/exchange-students#course-choices)



# Thinking about studying at DIT?

## ASK THE STUDENT

Connect with our international student ambassadors! They're happy to share their personal experiences about studying, campus life, and living in Deggendorf, Pfarrkirchen, or Cham - and help you decide if a DIT program is right for you.



### Discover & Connect

Our prospective student advisors are here to guide you through your study options, application process, and life at our campuses. Get personalized advice and start your journey with confidence!



Get advice!



Find out more.



## BACHELOR DEGREES

All bachelor degrees have integrated internships that are designed to develop a global sophistication, so as graduates you have the practical experience and language skills to feel at ease in every professional environment

# ARTIFICIAL INTELLIGENCE

# BACHELOR OF SCIENCE



### The automation of human decisions

The fascinating world of AI involves programming computer-controlled machines to independently make decisions and perform tasks usually conducted by humans. As an AI student, you will acquire the expert knowledge required to build AI systems initially in foundation topics such as mathematics, programming, algorithms and data structures, operating systems, networks and databases. Later on in the course, you will study complex AI such as machine learning, computer vision, natural language processing, Big Data, Deep Learning, autonomous robotics and computational logic. Benefit from the compulsory internship semester, in which you have the opportunity to apply your newly acquired skills to challenges in a work environment.

### Customize

Customize your degree through individually selected elective courses that allow you to focus on particular subjects, depending on your interest areas in AI and its' applications.

### Language focus

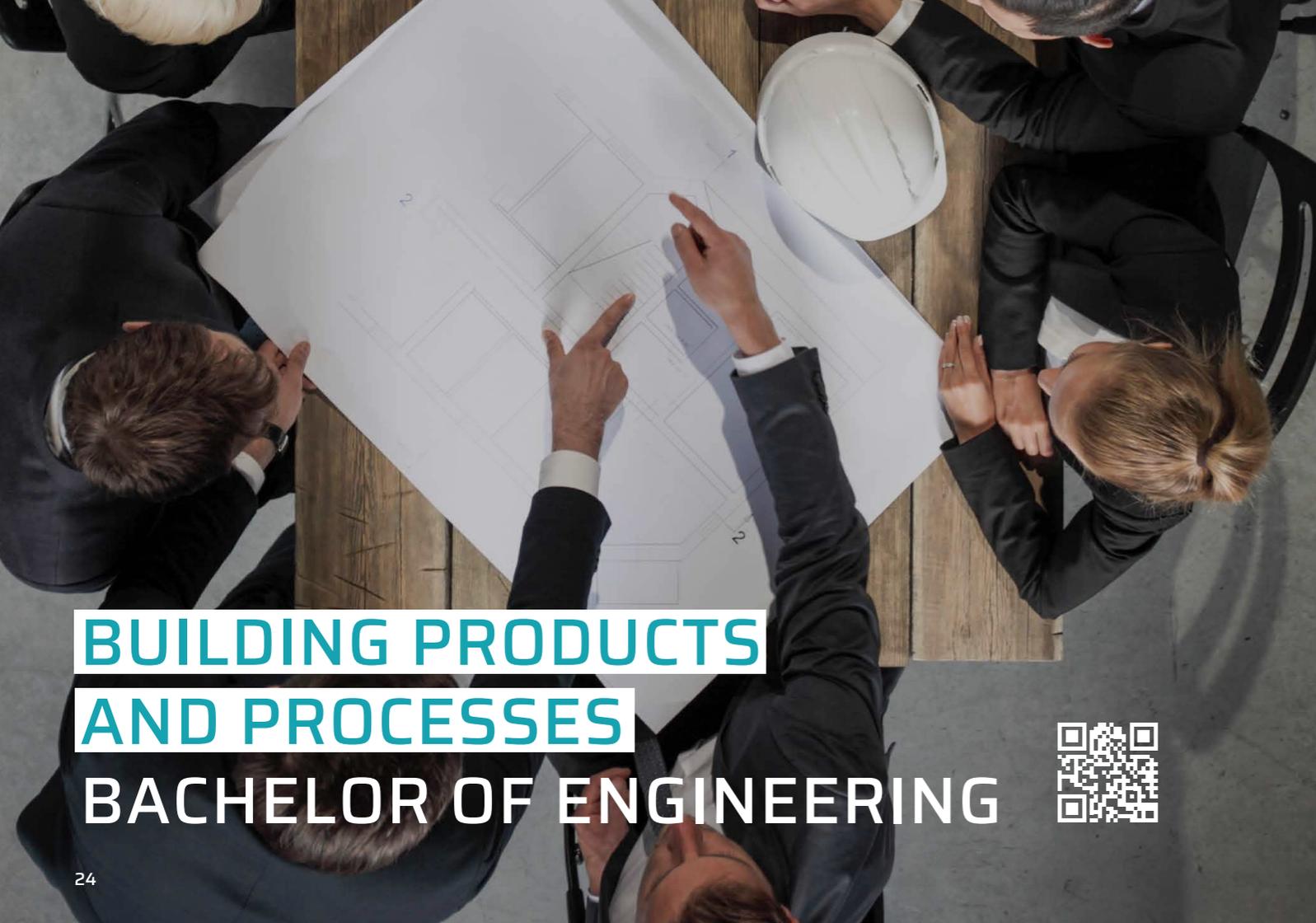
You will be taught completely in English and this training will perfectly prepare you for success in the national and international job market.

### Flexibility for international students

The 1st and 2nd semester can be completed both on campus in Deggendorf or online from home (the final decision is up to the lecturer), so that if your visa is delayed as an international student, you can start your studies without delay. However, the examinations must be taken on campus.

Sem. 1	Maths 1, Programming 1, Foundations of Computer Science, Operating Systems and Networks, Intro to AI, Key Competencies 1 (Media skills and Self-Organization, Business Admin.)
Sem. 2	Maths 2, Programming 2, Algorithms & Data Structures, Internet Tech., Computational Logic, Key Competencies 2, Foreign Lang. (Ger. or Eng.)
Sem. 3	Databases, Statistics, Project Mgmt, Assistance Systems, AI Programming, Key Competencies 3 (Tech. Ethics & Sustainability, Acad. Writing) or German
Sem. 4	Natural Language Processing, Human Factors & Human-Machine Interaction, Machine Learning, Computer Vision, Software Eng., Key Competencies 4 (Compliance, Data Protection, IT Law) or German
Sem. 5	<b>Internship</b> Internship, Internship-Accompanying Course 1, Internship-Accompanying Course 2
Sem. 6	Seminar in AI, Autonomous Robotics, AI Project, Deep Learning/Big Data, Comp. Elective 1, Key Competencies 5 (Team Building & Intern. Communication, Entrepreneurship) or German
Sem. 7	Compulsory Elective 2, Compulsory Elective 3: AI Applications 1, Comp. Elective 4: AI Applications 2 <b>Bachelor seminar and Bachelor thesis</b>

**Duration** 7 semesters or 3.5 years  
**Location** Deggendorf Institute of Technology, Deggendorf, Bavaria, Germany



# BUILDING PRODUCTS AND PROCESSES BACHELOR OF ENGINEERING



## Building competence - from development to installation

The construction industry is evolving in many ways right now, trending towards digitalisation, climate change, globalisation and internationality. This programme is a hybrid of engineering and management, so during studies you will be taught how to develop resource-saving, recyclable building products, and digitally process these with the corresponding programmes and models in medium to large building construction projects on a national and international basis.

In addition to this, a valuable component of studies at DIT are the numerous local companies around Bavaria where you could apply to undertake your internship, practical semester and thesis.

## Language focus

This study programme is taught in English to perfectly prepare graduates for success in the international job market.

## Career prospects

As a graduate engineer, you will enjoy excellent career opportunities in all branches of the national and international construction industry.

You will use your knowledge of complex building construction (concrete, masonry, steel and timber construction, hybrid construction methods), building structures (façade to roof) and interior finishing (floor, ceiling, wall). You also know the finishing trades (building automation, heating, ventilation, sanitation) including their numerous interfaces.

As an engineer, you will use your English language skills to implement and coordinate building specifications and technical documents accordingly during construction.

Sem. 1	Engineering Mathematics, Chemistry of Building Materials, Building Material Characteristics, Building Informatics and AI, German A1
Sem. 2	Building Physics: Thermal and Moisture Protection, Building Physics: Building and Room Acoustics, CAD 2D / 3D (BIM), Intercultural Competences and Self-Organization, German A2
Sem. 3	Building Physics: Fire Safety, Building Constructions, Testing of Building Materials, Digital Building Process (BIM 4D bis 6D), Scientific Work, English: Negotiations, German B1/ Part 1.+2
Sem. 4	Structural Engineering, Completion of the Interior, Technical Building Equipment and Smart Home, Construction Calculation, Product Management: Strategy and Marketing, Law: Building Law / Construction Contract / VOB, German B1/ Part 3.+4.
Sem.5	Fundamentals of Project Management and Planning, Project Execution and -Controlling, Commercial Management, Compulsory Elective (FWP-1, German B2
Sem. 6	Sustainable Building, Building Envelope and Supporting Structures, Product Development and Testing, Seminar on Product Development, Project Seminar, Law: Building Product regulations
Sem. 7	Internship including PLV 1 and 2
Sem. 8	Building in Existing Structures, Management Systems, Workshop Architecture, Compulsory Elective (FWP-2), Bachelormodule (incl. Thesis and Defense)

**Duration** 8 semesters or 4 years  
**Location** European Campus Rottal-Inn, Pfarrkirchen, Bavaria, Germany

[www.th-deg.de/bpp-b-en](http://www.th-deg.de/bpp-b-en) 25

# ENERGY SYSTEMS

# ENGINEERING

# BACHELOR OF ENGINEERING



### Shape the power industry of the future

As a student of Energy Systems Engineering, you will learn through practical and theoretical instruction to explore the technical and economic aspects of current energy systems, to gain in-depth cross-sectional expertise in the supply, integration and storage of future energy systems.

The transformation of energy systems and their supply technologies from fossil fuels to renewable energy sources is an exciting area, regarded as a major global development challenge that will remain dominant over the lifespan of your future career.

### Language focus

You will be taught completely in English and this language training, coupled with intercultural aspects of the course, will perfectly prepare you for success in the national and international job market.

### Career prospects

The transformation of energy systems and their supply technologies is an exciting area, regarded as a major global development challenge that will remain dominant over the lifespan of your future career.

Expect to develop your career as a graduate in the following fields:

- Development of energy systems and smart grids
- Smart buildings: design and development of intelligent energy management systems
- Commissions, service and maintenance in the building sector
- Monitoring and assessment of energy systems
- Management of energy networks (electricity and gas)
- Project planning

Sem. 1	Analytical Principles of Engineering, Informatics I, Fundamentals of Electrical Engineering, Physics, Chemistry, Foreign Language I
Sem. 2	Mathematics for Engineering, Informatics II, Electrical and Power Engineering, Lab Work in Natural Sciences, Materials and Design, Intercultural Competences, Compulsory elective subject of a general academic nature (AWP) I, Foreign Language II
Sem. 3	Advanced Mathematics, Energy Technology, Measurement and Control Engineering, Fundamentals of Energy Economy, Project Work I including Scientific Writing, Foreign Language III
Sem. 4	Renewable Energies, Sustainability, Plant Engineering, Elective I, Project Work II including Simulation and Design, Compulsory elective subject of a general academic nature (AWP) II, Foreign Language IV
Sem. 5	<b>Internship</b> including PLV seminars
Sem. 6	Power Grid Technologies, Energy Storage, Smart Systems and Technologies, Elective II, Project Work III including Lab Work in Energy Systems
Sem. 7	Grid Management, Site Planning and GIS, Elective III <b>Bachelor Thesis incl. Bachelor Seminar</b>

**Duration** 7 semesters or 3.5 years  
**Location** European Campus Rottal-Inn, Pfarrkirchen, Bavaria, Germany

# HEALTH INFORMATICS

## BACHELOR OF SCIENCE



### Become a computer specialist for the health sector

This course provides students with the knowledge and skills to design information systems for the healthcare sector to develop, configure, operate, and comply with the applicable rules and regulations.

This extensive technical knowledge enables graduates to competently take on challenges and assume leadership roles in healthcare facilities, institutions and organizations in complex, intercultural environments.

### Language focus

In a world of ever-increasing multicultural globalisation, great importance is placed on the development of students' language skills. The course language is English.

### Programme structure

The course has a standard period of study of 7 semesters, with 6 theory-based semesters and one practical semester. Students should complete one practical semester in a work placement, which should be completed in the fifth semester. Students specialize and orientate toward a specific professional field in the last two semesters when a field of competence is chosen.

**Duration** 7 semesters or 3.5 years

**Location** European Campus Rottal-Inn,  
Pfarrkirchen, Bavaria, Germany

Sem. 1	Foundations of Medicine, Mathematics and Statistics, Informatics and Sciences, General Business Administration and Accounting, Foreign Language I
Sem. 2	Foundations of Law, Software Development, Databases, Foundations of Health Informatics, Mathematics and Statistics, Compliance and Risk Management, Compulsory elective subject of a general academic nature (AWP) I, Foreign Language II
Sem. 3	Medical Documentation, Application Systems of Health Informatics, Information Systems in Health Care, Media Management, Innovation and Complexity Management, Foreign Language III
Sem. 4	Medical Technology, ERP-Systems, Operations Research, Practice of Programming, Current Aspects of Health Economy, Compulsory elective subject of a general academic nature (AWP) II, Foreign Language IV
Sem. 5	<b>Internship</b> including PLV seminars
Sem. 6	Social Processes and Communication, Knowledge-based Systems, IT-Project Management, Logistics in Healthcare, Collaborative Systems
Sem. 7	Managed Care, IT-Organisation and Computer Center Management, Management and IT-Consulting in health service, Business Game: Medical Information Systems <b>Bachelor Thesis incl. Bachelor Seminar</b>



# INDUSTRIAL ENGINEERING

## BACHELOR OF ENGINEERING



### Become an expert of energy and resource efficiency

In light of diminishing resources and the need to limit the effects of energy consumption on climate change, one of the greatest challenges of the 21st century is the de-carbonisation of industrial societies. Intelligent service and maintenance in production and energy generation facilities help to enormously increase efficiency and thus save energy resources. This degree will able graduates with the expertise to work in this exciting area.

### Language focus

In the context of increasing economic globalization, the ability to work efficiently in multicultural environments equipped with the appropriate language and intercultural skills is particularly important. The language of instruction for this degree is English and students also attend compulsory German lessons. If English isn't the native language, then proficiency must be proved: [www.th-deg.de/en/apply](http://www.th-deg.de/en/apply)

### Programme structure

Initially, students will learn the fundamentals of Natural Sciences, Maths, Economics, Chemistry, Physics and Biology as well as language skills including Technical and Business English. In the third semester, students select a major in the technical or in the management area. The sixth semester is designated as the practical semester which lasts for at least 20 weeks; it includes an internship as well as supplementary courses of instruction.

The course is structured around gaining relevant practical experience and in-depth subject knowledge particularly in the areas of sustainability, renewable energies, process and operation technology, IT in plant and equipment engineering (Industry/Energy 4.0), investment and financing, business and operational processes, logistics and maintenance, repair and operation strategies.

Sem. 1	Analytical Principles of Engineering, Informatics for Engineering I, Chemistry, Principles in Business & Economics, Basics - Scientific Writing, Accounting, Foreign Language I
Sem. 2	Lab Work in Chemistry, Scientific Writing, Research Methods and Project Management, Mathematics for Engineering, Informatics for Engineering II, Technical Mechanics, Physics, Scientific Compulsory Elective Subject (AWP) I, Foreign Language II
Sem. 3	Lab Work in Physics, Applied Mathematics, Fundamentals of Electrical Engineering, Intercultural Management, Sustainability, Business Law, Foreign Language III
Sem. 4	Financing, Logistics and Operations Research, Technical Mechanics II, Energy Technology, Fundamentals of Measurement and Control Engineering, Foreign Language IV, Scientific Compulsory Elective Subject (AWP) II
Sem. 5	Process Safety, Applied Measurement and Control Engineering, Plant Engineering, Management, Renewable Energies, Project Work
Sem. 6+7	20 week internship <b>Bachelor thesis</b>

**Duration** 7 semesters or 3.5 years  
**Location** European Campus Rottal-Inn, Pfarrkirchen, Bavaria, Germany

# INTERNATIONAL TOURISM MANAGEMENT BACHELOR OF ARTS



## Enjoy a vast range of career opportunities

As the European population is continuously aging and healthcare within the family is on the decline, there's a growing demand for all services and infrastructures throughout the health and medical tourism industries.

In 2020, there were three million people in need of regular health and medical care in Germany alone. This bachelor degree is designed with a major in health and medical tourism to supply the ever increasing market demand.

## Language focus

In a world of ever-increasing multicultural globalization, great importance is placed on the development of students' language skills. The language of instruction for this degree is English and students also attend compulsory German lessons.

## Programme structure

This degree course is seven semesters in duration, with six being theoretical, based on a modular structure as described below. The fifth semester is reserved for an 18-week internship semester, where students acquire and improve their social and international skills, enabling them to later manage the complex, cross-cultural environment of the tourism industry. The seventh semester is then reserved for the final bachelor thesis.

**DIT is an affiliate member of the United Nations World Tourism Organization.**

Sem. 1+2	Foreign Language I and II, Personal & Scientific Development, Applied Statistics & Data Analysis, Fundamentals of Business Administration, Economy & Society, Introduction to Tourism Management with Focus on Medical and Health Tourism, Compulsory Elective Subjects Compulsory Elective Subjects I, Accounting & Controlling, Marketing Principles, Quantitative & Qualitative Research, Medical Basics for Tourism Professionals, Intercultural Management in International Health & Medical Tourism
Sem. 3+4	Foreign Language III and IV, Compliance, Process & Quality Management, Digital & Services Marketing, Corporate Management & Leadership, Hospitality Management, Project Management, compulsory Elective Subjects II, Legal Aspects in Tourism Innovation, Product Development & Service Design, Medical Wellness & Spa Management, HealthCare Management & Health Provision
Sem. 5	<b>Internship</b> (18 weeks) Block seminar accompany the internship I and II
Sem. 6+7	Bachelor Thesis Tutorial (Scientific Workshop), Natural Resources in Health Tourism, Entrepreneurship, Contemporary Issues in International Health Tourism, Data Analysis and AI in Health & Medical Tourism, Tour Operator Management, Transport & Mobility Management, Cooperation and Network Management, Ethics & Sustainability in International Tourism and Health Destination Management <b>Bachelor thesis</b>

**Duration** 7 semesters or 3.5 years  
**Location** European Campus Rottal-Inn, Pfarrkirchen, Bavaria, Germany



# BUSINESS ADMINISTRATION AND SERVICE MANAGEMENT BACHELOR OF ARTS



## The Opportunity of a Lifetime

The dynamic growth of tourism and related services industry and the demand for skilled workers ensure secure jobs and excellent earning and development opportunities in Germany and worldwide. Study in Germany, start your career in growing industry, and earn for your living expenses at the same time? This program is the best fit for you because it uniquely combines study and work, offering a high-quality degree and career entry in Germany with financial stability through a partner company.

To make it easier for our international students to start their studies, 100% of the lectures in semesters 1 and 2 are held online.

## Dual and Practical

### Flexible studying full-time or part-time

The programme follows a unique concept that allows you to either pursue a fully organised full-time course of study, including employment with a company partner, or to tailor your studies to your individual needs through the part-time model.

- The programme always starts in the summer semester.
- Whether full-time, part-time or alongside your career: benefit from maximum flexibility in designing your studies.

**In the full-time model,** you'll get practical experience in the hotel industry while you're in lectures through your job at a company that works with DIT. This way, you can pay your own way and get a top-notch degree in 7 semesters - without any money worries.

**In the part-time model,** you can tailor your studies to suit you and your needs. Choose as many modules as your personal capacity allows from the lectures offered each semester. This allows you to work flexibly alongside your studies to earn your own living and obtain a high-quality university degree in up to 12 semesters.

## Language focus

- 1st - 2nd Semester: in English
- On the Higher Semester: partly in German

## Subject overview

The full course overview of full-time and part-time study can be found on the program website.

**Duration** 7 - 12 semesters

**Location** Deggendorf Campus, European Campus Rottal-Inn and Campus Cham

# INTERNATIONAL MANAGEMENT BACHELOR OF ARTS

## A curriculum for global citizens

If you are seeking a business degree that integrates high academic standards with international experience, then we have the right programme for you. We develop multicultural, multilingual managers, who can work on projects as individuals or as part of international teams.

Our fully-accredited International Management degree programme satisfies the demands of ambitious students who want to quickly enter and succeed in the global market. We mix international training and knowledge with practical experience in a supportive, international atmosphere.

## Language focus

As the course language is English, a good to excellent knowledge of the English language (level B2 according to the CEFR - Common European Framework of Reference for Languages) is a prerequisite. Students attend Business German classes for three semesters plus additional languages if desired.

## Year abroad

You get the opportunity to develop your intercultural competence and gain valuable practical international experience. You will also study at your choice of 220 partner universities for one semester and work for one semester as a (paid) student intern in Germany or in another country.

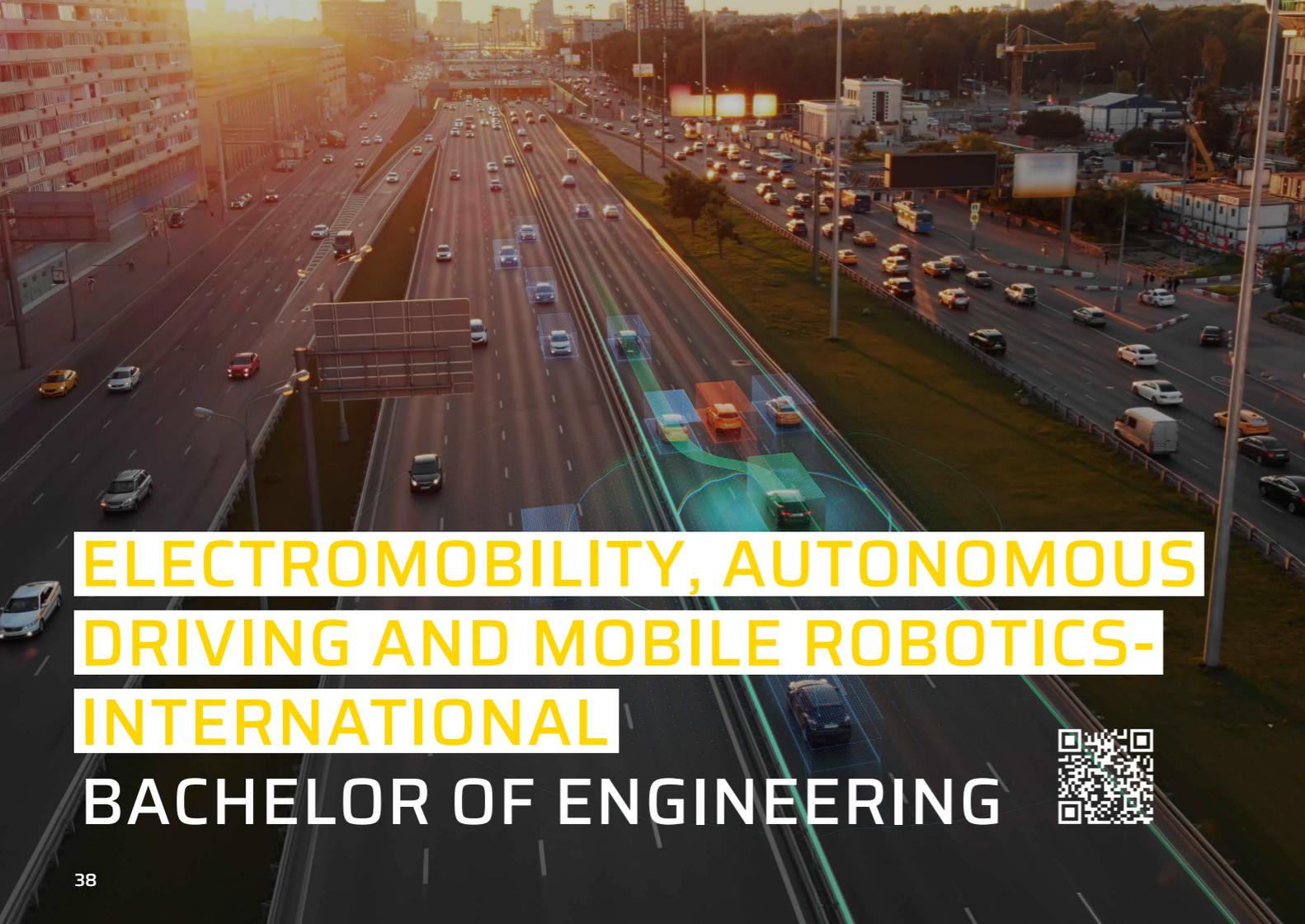
## Double degree

Students can achieve a second bachelor degree from another university outside Germany. See the website for current options.



Sem. 1	Principles of Management & Scientific Writing, Principles of Logistics, Quantitative Methods in Economics and Finance, International Team Building, Principles of Accounting, Human Resource Management, Foreign Language I
Sem. 2	Information Technology I, Business Law, Economics and Public Finance, Principles of Marketing, Accounting for Managers, Communication and Presentation Techniques, Foreign Language II
Sem. 3	International Accounting and Controlling, International Economics, International Business Law, International Marketing, Information Technology II, Financial Management, Foreign Language III
Sem. 4 + 5	study period abroad + 20 week internship
Sem. 6	International Project Management, Cross-Cultural Management, Tax, Case Studies in Global Management, Managing International Value Chains, Business Electives I
Sem. 7	Seminar in International Management and Organization, Case Studies in Global Economics and Trade, International Finance, Business Electives II <b>Bachelor thesis</b>

**Duration** 7 semesters or 3.5 years, incl. 2 semesters abroad  
**Location** Deggendorf Institute of Technology, Deggendorf, Bavaria, Germany



# ELECTROMOBILITY, AUTONOMOUS DRIVING AND MOBILE ROBOTICS- INTERNATIONAL BACHELOR OF ENGINEERING



### International study programme

The Bachelor's programme 'Electromobility, Autonomous Driving and Mobile Robotics - International' is designed for international students. The first three semesters are taught in English and include integrated German language courses. This not only enables you to attend lectures in German from the fourth semester onwards and guarantees you a successful entry into the German job market.

As an engineer in this field, you will have acquired extensive competences to help shape the rapidly progressing development, especially in the field of "mobility". Modern mobility is not only the topic of car manufacturers and individualised transport, but all other industries are also moving inexorably towards the mobile future. Your studies will make you part of a community that develops intelligent, energy-efficient and resource-saving solutions to master the enormous challenges facing the economy and society.

In order to be admitted to this programme, a German language level of A1 is required in addition to an English language level of B2.

### Language focus

- 1st - 3rd semester: English, German language courses for A2 through B2 part of curriculum
- From the 4th semester: English and German

Sem. 1	Maths 1, Basics in Electrical Engineering I, Basics in Digital Technology, German I, Self-organisation during your study
Sem. 2	Maths 2, Basics in Electrical Engineering II, Informatics I, German II, Subject-specific Compulsory Elective I
Sem. 3	Basics in Electrical Engineering III, Informatics II, Material Sciences, Physics I, German III, Subject-specific Compulsory Elective II
Sem. 4	Statistics and Stochastics, Electronic Components, Control Technology I, Electrical Metrology, Internship Electrical Metrology, Physics II, Scientific Compulsory Elective (FWP)
Sem. 5	Micro Computer Technology, Real-time Systems, Control Technology II, Power Electronics I, Automotive Bus Systems, Scientific Compulsory Elective II
Sem. 6	<b>Internship</b> , Internship-Accompanying Course 1, Practical Seminar
Sem. 7	Electric Machines, Electromagnetic Compatibility, Image Processing + <b>Key Focus Area</b>
Sem. 8	Sensors / Optics, Subject-specific Compulsory Elective III, Business Administration, Scientific Work, Sustainable Mobility <b>Bachelor seminar</b> and <b>Bachelor thesis</b>

**Duration** 8 semesters or 4 years  
**Location** Deggendorf Institute of Technology, Deggendorf, Bavaria, Germany

# ELECTRICAL ENGINEERING AND INFORMATION TECHNOLOGY - INTERNATIONAL BACHELOR OF ENGINEERING



## Shape our modern, high-tech future with Electrical Engineering

Electrical energy powers our modern world, driving devices, machines, and transmitting information. To apply it in diverse technical ways effectively, we need skilled engineers with strong theoretical knowledge and creative expertise in electrical and IT fields.

This program provides a solid foundation in modern electrical and information technology, with a strong focus on connecting theory and practice. Whether you choose to specialize in communication technology, automation technology or general electrical engineering, you'll be well-prepared to tackle the rapid challenges in business and society.

### Program Structure

It is designed as a full-time course and spans seven theory-based semesters and one internship semester. The first three semesters are taught in English with integrated German language courses. From the fourth semester onwards, you can attend lectures in German. After the internship semester (sixth semester), three specialization tracks are available for the seventh and eighth semesters.

### Language focus

- 1st - 3rd semester: English (German language courses for A2 through B2 part of curriculum)
- From the 4th semester: English and German

**Duration** 8 semesters or 4 years

**Location** Deggendorf Institute of Technology,  
Deggendorf, Bavaria, Germany

Sem. 1	Mathematics 1, Fundamentals of Electrical Engineering 1, Fundamentals of Digital Technology, German A2, Self-Organization during Studies
Sem. 2	Mathematics 2, Fundamentals of Electrical Engineering 2, Computer Science 1, German B1, General Science Elective 1
Sem. 3	Fundamentals of Electrical Engineering 3, Physics 1, German B2, Computer Science 2, Material Sciences and Applied Solid-State Physics, General Science Elective 2
Sem. 4	Computer Science 3, Physics 2 (English), Control Engineering 1, Electrical Measurement Technology, Electronic Components, Digital Technology
Sem. 5	Microcomputer Technology, Electromagnetic Compatibility, Circuit Technology 1, Digital Signal Processing, Communication Transmission Technology 1, Electrodynamics
Sem. 6	Internship, Practical Seminar, Practical Complementary Specialisation 1 and 2
Sem. 7 + Specialisation	General Elective 3 and 4, Specialisation Courses from <ul style="list-style-type: none"> <li>• Automation Technology or</li> <li>• Communication Technology or</li> <li>• Electronics or General Electrical Engineering)</li> </ul> *Please find the respective specialisation courses on the program website.
Sem. 8 + Specialisation	Business Administration, Academic Writing, Seminar and Bachelor Thesis, Specialisation Courses from <ul style="list-style-type: none"> <li>• Automation Technology or</li> <li>• Communication Technology or</li> <li>• Electronics or General Electrical Engineering)</li> </ul> *Please find the respective specialisation courses on the program website.

# ELECTRONICS ENGINEERING FOR ARTIFICIAL INTELLIGENCE – INTERNATIONAL BACHELOR OF ENGINEERING



## Set new standards where Electronics and AI meet

This program bridges the gap between classical engineering and modern AI applications, especially in embedded systems and sensor and measuring technology.

As a student of this program, you will learn through practical and theoretical instruction to directly link in-depth knowledge of engineering sciences with practical application of AI and enable you, upon graduation, to fully integrate and utilize the advantages of AI in technical systems.

## Program Structure

This program is designed as a full-time course and spans eight semesters. The first three semesters are taught in English, and integrated German language courses complement the technically oriented lectures. From the fourth semester onwards, you can attend lectures in German. In the sixth semester, students should complete one internship or practical semester in a work placement.

## Language focus

- 1st - 3rd semester: English (German language courses for A2 through B2 part of curriculum)
- From the 4th semester: English and German

**Duration** 8 semesters or 4 years

**Location** Deggendorf Institute of Technology,  
Deggendorf, Bavaria, Germany

Sem. 1	Mathematics 1, Fundamentals of Electrical Engineering 1, Fundamentals of Digital Technology, German A2, Self-Organisation During Studies
Sem. 2	Mathematics 2, Fundamentals of Electrical Engineering 2, Computer Science 1, German B1, General Science Elective 1
Sem. 3	Fundamentals of Electrical Engineering 3, Physics 1, German B2, Computer Science 2, Fundamentals of Programming (Python), General Science Elective 2
Sem. 4	Statistics und Stochastics, Physics 2, Control Engineering 1, Electrical Measurement Technology, Fundamentals of AI for Engineers, Fundamentals of Machine Learning for Engineers
Sem. 5	Microcomputer Technology, Digital Signal Processing, Databases, Industrial and Automotive Bus Systems, Electronic Components and Circuits, Real-Time Systems
Sem. 6	<b>Internship</b> , Practical Seminar, Practical Complementary Specialisation 1 + 2
Sem. 7	Fundamentals of Integrated Circuits and Systems, Future Optoelectronics, Prototyping of AI Systems, Intelligent Sensor Technology, Elective 1 (FWP 1), Embedded Hardware Development and PCB Design
Sem. 8	Current Topics in Electrical and Information Technology, Elective 2 (FWP 2), Business Administration, Academic Writing, Seminar, <b>Bachelor Thesis</b>



# NURSING

# BACHELOR OF SCIENCE



### Study to be a nurse in Germany

Germany's nursing education landscape is evolving. As of early 2020, the new Nursing Professions Act allows students to earn a nursing degree through a Bachelor's programme. Our Nursing degree teaches you to care for patients and support their families. You'll gain the knowledge and skills to handle various care situations and manage the care process independently. With extensive hands-on experience during your studies, you'll develop the competence to professionally assess care scenarios from your own perspective. Upon graduation, you'll earn a "Bachelor of Science (B.Sc.)" degree and receive state certification as a registered nurse.

### Fair Compensation for Practical Training

The new Nursing Degree Strengthening Act enhances our Nursing programme by combining practical training in healthcare environments with fair financial compensation. A training contract will be established between you and our partner institutions (hospitals, care facilities, outpatient services) and you will receive appropriate pay for your work. DIT collaborates with industry partners to ensure you receive top-notch practical training, preparing you for a successful career in nursing.

### Language focus

- 1st - 4th semester: English (German language courses for A2 through B2 part of curriculum)
- 5th - 9th semester: German

**Duration** 9 semesters or 4.5 years

**Location** Deggendorf Institute of Technology, Deggendorf, Bavaria, Germany

Sem. 1	Basic Principles of the Reference Sciences 1, Activity and Rest, German A2, Practical Exercises 1
Sem. 2	Basic Principles of the Reference Sciences 2, Nutrition, Pedagogical Basics and Basics of Education, German B1, Practical Exercises 2
Sem. 3	Basic Principles of the Reference Sciences 3; Perception/Thinking, Excretion/Sexuality, Infection; German B2; Practical Exercises 3
Sem. 4	Professional Identity and Policy & Basic Module in Medicine, Health Promotion, Research-Driven Nursing Process & Evidence-Based Nursing, Practical Exercises 4
Sem. 5	Ethics; Basic Principles of the Reference Sciences 4; Self, Stress Tolerance, Violence, Wound; Educational Concepts and Methods 1; Practical Exercises 5
Sem. 6	Health Care System and Law; Basic Principles of the Reference Sciences 5; Family, Role, Well-Being, Pain; Educational Concepts and Methods 2; Practical Exercises 6
Sem. 7	Health Care Management, Complex Nursing 8, Applied Health Communication, Practical Exercises 7
Sem. 8	New Technologies & E-Health & Health Services Research, Complex Nursing 2, Applied Health Literacy, Practical Exercises 8
Sem. 9	<b>Bachelor Thesis</b> , Practical Exercises 9



Scan for details in your language



ENGLISH



ITALIAN



SPANISH



RUSSIAN



BULGARIAN



ROMANIAN



PORTUGUESE



TURKISH



UKRAINIAN



INDONESIAN



MALAY



# MASTER DEGREES

As a postgraduate you will leave with excellent employment prospects equipping you for future success in your chosen career. Be extremely sought after by local and international companies



# APPLIED COMPUTER SCIENCE

## MASTER OF SCIENCE



### Get the edge in an increasingly digital world

Companies are increasingly confronted complex organizational structures and an increasingly complex technology. In addition to international organization, companies depend on an increasing number of qualified engineers in R&D and management, who are capable of a broad range of creative work to develop embedded systems.

With this qualification, you will be ready for all professional challenges ahead in this fascinating field of work.

### Prerequisites

Students must be degree graduates in computer science or a closely related field. In addition, applicants must pass an admission's test.

### Language focus

Programme can be studied and finished completely in English. As some electives courses are given in German, choice of electives taught in English might be restricted.

However, if neither English or German are the candidate's native language, then proficiency in both of these languages must be provided (in German A2 level must be achieved by the end of the second semester). Please view the web for details.

Sem. 1	<ul style="list-style-type: none"><li>• Theoretical Computer Science</li><li>• Practical Computer Science</li><li>• Selected Topics of Embedded Software Development</li><li>• FPGA Programming</li><li>• AWP I</li></ul>
Sem. 2	<ul style="list-style-type: none"><li>• Special Mathematical Methods</li><li>• Electives 1 - 5</li><li>• AWP II</li></ul>
Sem. 3	<ul style="list-style-type: none"><li>• Elective 6</li><li>• Master's Thesis</li><li>• Master's Seminar</li></ul>

**Duration** 3 semesters or 1.5 years  
**Location** Deggendorf Institute of Technology, Deggendorf, Bavaria, Germany

# ARTIFICIAL INTELLIGENCE

# AND DATA SCIENCE

# MASTER OF SCIENCE



## AI: changing our lives

Just as electricity brought about far-reaching changes over 100 years ago, AI has fundamentally started to change our lives. AI is the next phase of the industrial revolution, as almost all branches of industry have been affected by the ongoing transformation through its algorithms.

This course addresses the transformation by providing you as a student with the broad and in-depth skills required to work with and develop AI. You will be trained how to obtain, process and store enormous amounts of data, which is the root of AI and development processes. Unique to master programmes in this field is the integrated internship that you are required to complete, providing you with invaluable work experience in the university of South Bohemia at your chosen field.

Due to the cross-border, international nature of the course that is embedded in regional high-tech companies, you will benefit from a diverse and multicultural environment, promoting your intercultural skills and providing a solid foundation for innovation.

## 2 universities - 1 unique degree

This course is a joint degree programme, with a min. of 1 compulsory semester in South Bohemia, Czech Republic.

## Career prospects

- Software engineer - AI specialist
- System architect - AI specialist
- Machine learning engineer or researcher
- Data scientist or data analyst
- Software and systems designer
- IT manager or researcher
- Software developer or analyst

Sem. 1	<ul style="list-style-type: none"><li>• Artificial Intelligence and Software Development</li><li>• Theoretical Fundamentals of Artificial Intelligence</li><li>• Advanced Machine Learning</li><li>• Elective 1</li><li>• Elective 2</li><li>• German or Czech</li></ul>
Sem. 2	<ul style="list-style-type: none"><li>• Information Theory</li><li>• Mathematics for Artificial Intelligence and Data Science</li><li>• Computational Intelligence</li><li>• Feature Engineering - for Data Science</li><li>• Advanced Data Storage and Analyses</li><li>• Parallel Programming and Computing</li><li>• German or Czech</li></ul>
Sem. 3	<ul style="list-style-type: none"><li>• <b>Internship</b></li><li>• Elective 3</li><li>• Elective 4</li></ul>
Sem. 4	<ul style="list-style-type: none"><li>• Advanced topics in AI</li><li>• <b>Master seminar</b></li><li>• <b>Master thesis</b></li></ul>

All electives are chosen in consultation with the study coordinator and must have relevance for AI and/or data science.

**Duration** 4 semesters or 2 years  
**Location** Deggendorf Institute of Technology,  
Deggendorf, Bavaria, Germany  
&  
University of South Bohemia,  
Czech Republic

# HIGH PERFORMANCE COMPUTING / QUANTUM COMPUTING MASTER OF SCIENCE



## Boost your understanding of the universe

Welcome to the futuristic world of quantum computing, the next great evolutionary leap in computer technology, where data analytics are used to boost our understanding of the universe. Quantum computing is a new computer paradigm that will accelerate complex troubleshooting from years to minutes, potentially solving challenges that conventional computers cannot handle.

Become an expert in this field and gain knowledge that can be adapted to many different exciting areas such as in the improvement of forecasts and predictions, in cryptography (the science of writing and solving coded messages) or pharmacology (the science of drugs). The course is divided into four main module groups: hardware design and efficiency, software engineering and optimization, system design and administration, general skills

## Career prospects

This postgraduate course is supported by numerous partnerships with industry and peer institutions, ensuring the course spearheads your training in rapidly developing technological advancements of quantum systems. With this excellent qualification, expect to build your future career in one of these job markets:

- IT and IT infrastructure, IT security and safety
- Hardware and software design
- Operating systems and system design
- Programming
- Designing and building computing centres
- Power supply / UPS
- Fire protection
- Building technology and HVAC
- IT management, innovation management

Sem. 1	<ul style="list-style-type: none"><li>• Physics for HPC/QC</li><li>• Software Engineering</li><li>• HPC/QC Programming Lab</li><li>• HPC/QC Technology</li><li>• Advanced Mathematics for HPC/QC</li><li>• FWP I (Elective subject in accordance with study coordinator)</li></ul>
Sem. 2	<ul style="list-style-type: none"><li>• Computer Architectures for HPC/QC</li><li>• Networks for HPC/QC</li><li>• Optimization Methods</li><li>• HPC/QC Infrastructure</li><li>• System Design and Application of HPC/QC Systems</li><li>• Advanced Mathematics and Physics for HPC/QC</li></ul>
Sem. 3	<ul style="list-style-type: none"><li>• FWP II (Elective subject in accordance with study coordinator)</li><li>• <b>Master colloquium</b></li><li>• <b>Master thesis</b></li></ul>

**Duration** 3 semesters or 1.5 years  
**Location** Deggendorf Institute of Technology,  
Deggendorf, Bavaria, Germany



# LIFE SCIENCE INFORMATICS

## MASTER OF SCIENCE



### The exciting forefront of medical technology

This postgraduate degree is an interdisciplinary subject area connecting biomedical aspects with computational analysis expertise, using tools able to handle and interpret the flood of data created by the Next Generation Sequencing technology. Students learn how to digitally process data generated by the sequencing of human, animal or plant genetic material to make it usable for biomedical research.

### Language focus

In a world of ever-increasing multicultural globalisation, great importance is placed on the development of students' language skills. The course language is completely English. Continual English lessons could be given throughout the course to develop students' language proficiency. German language courses will be on offer but no prior knowledge of the language is necessary.

### Area of competence

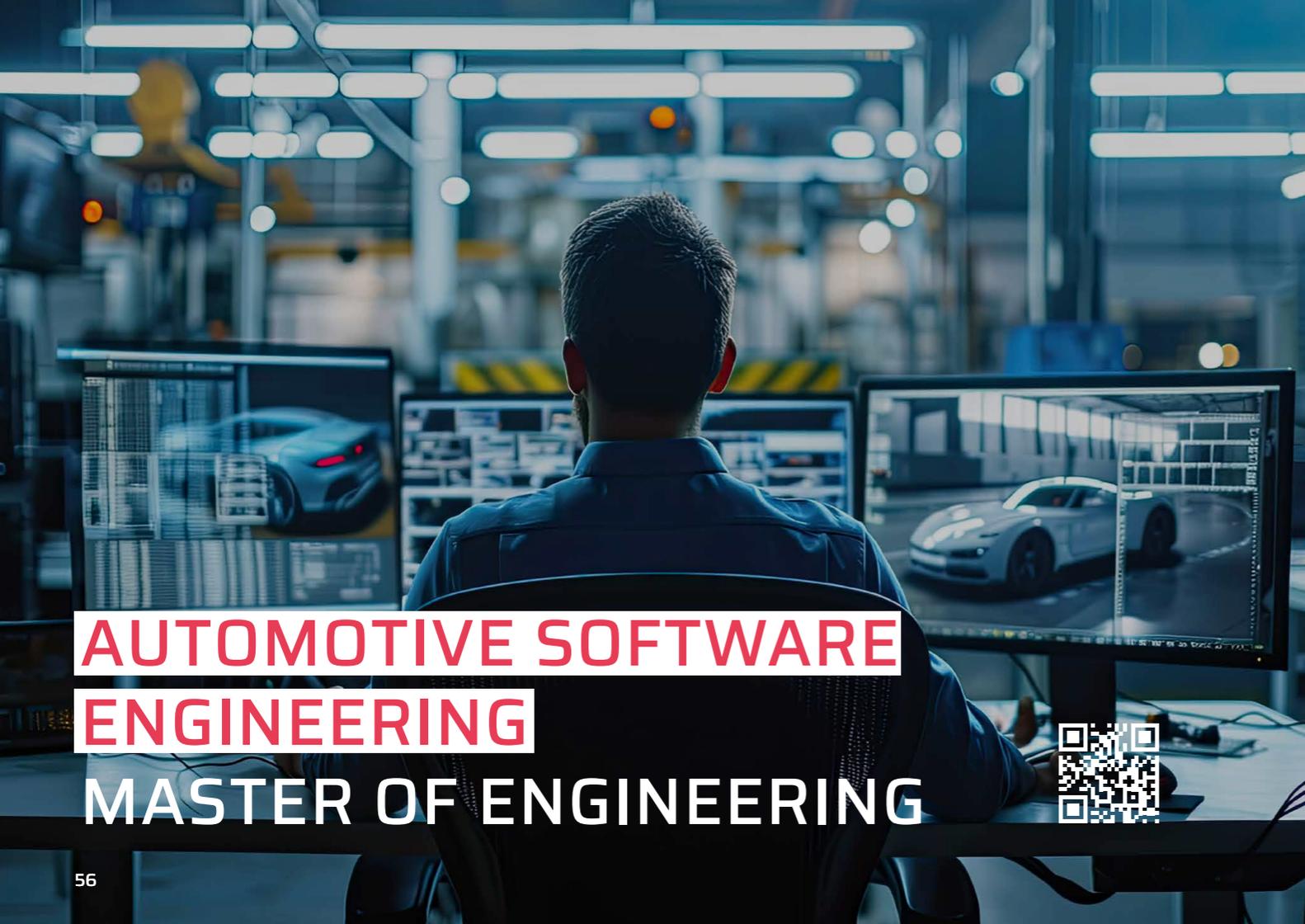
Biomedical research currently makes use of various computer-based analyses to identify and analyse genes that are predictive for the prognosis or therapeutic response of a disease (personalised medicine and molecular diagnostics).

The analysis and evaluation of these data sets requires knowledge of both, medical/ scientific basics in combination with application oriented computer science knowledge.

Therefore, students will become competent in the following bioinformatics analysis concepts: unix command line usage, data formats and repositories, NGS quality control, sequence alignments, data visualization and interpretation, genome variation and SNP calling, RNA-Seq and gene expression analysis, ChIP-Seq analysis, biomedical software tool usage.

Sem. 1	<ul style="list-style-type: none"><li>• Informatics and Biomedicine</li><li>• Life Science I</li><li>• Informatics I</li><li>• Biostatistics I</li><li>• Sequencing Technologies</li><li>• Biomedical Data Analysis</li></ul>
Sem. 2	<ul style="list-style-type: none"><li>• Life Science II</li><li>• Informatics II</li><li>• Biostatistics II</li><li>• Data Mining &amp; Machine Learning</li><li>• Bioinformatics Algorithms &amp; Data Structure</li><li>• Data Visualisation</li></ul>
Sem. 3	<ul style="list-style-type: none"><li>• <b>Master thesis</b></li><li>• <b>Master colloquium</b></li><li>• <b>Master seminar</b></li></ul>

**Duration** 3 semesters or 1.5 years  
**Location** Deggendorf Institute of Technology, Deggendorf, Bavaria, Germany



# AUTOMOTIVE SOFTWARE ENGINEERING MASTER OF ENGINEERING

## Deepen your knowledge and work on the mobility of tomorrow

Driven by the rapidly increasing demands for autonomous driving, highly complex hardware/software systems will become increasingly important. The program focuses on software development for autonomous driving, image understanding, artificial intelligence, embedded systems, in-car, and Car2X communication.

Students benefit from comprehensive theory and close collaboration with DIT's technology campuses, which enable research-oriented education in state-of-the-art laboratories.

**Prerequisites:** Fundamentals in C/C++ and/or Python

## Career prospects

From this Master degree, you will gain advanced knowledge in software development for modern vehicles. You can apply this knowledge to engineering and application-oriented problems in vehicle development. You can design and dimension vehicle components according to goals and requirements, considering technical, economic, legal, and social conditions.

Automotive Software Engineering is used in various areas at vehicle manufacturers and suppliers:

- Software Development
- System Architecture Development
- Vehicle Testing and Validation
- Project Management and Quality Control
- Research, Development, and Teaching
- Consulting and Services



Sem.  
1

- Image Recognition
- Digital Car/Innovation Management & Customer Design
- Advanced Driver Assistance Systems
- Mobile Applications & Interaction Design in Vehicles
- Terminology/Technical Language
- Elective 1

Sem.  
2

- Artificial Intelligence
- Automotive Software Entwicklung
- Project
- Elective 2
- Wireless and Car2X Communication
- Automotive Microcontroller

Sem.  
3

- **In-Car Communication Architecture**
- **Master's Thesis & Colloquium**

**Duration** 3 semesters or 1.5 years

**Location** Deggendorf Institute of Technology,  
Deggendorf, Bavaria, Germany



# ARTIFICIAL INTELLIGENCE FOR SMART SENSORS & ACTUATORS MASTER OF ENGINEERING



## Deepen your skills & shape your future -

Intense scientific and technical training tailored to current global topics will deepen your skills so you can take command of intelligent sensor and actuator systems to carry out creative research and development work in your professional career.

Over the course of three semesters, you will study the following topics:

- Process of machine learning (neuronal networks)
- Embedded control for smart sensors and actuators
- Sensor technology (e.g. MEMS)
- Methods of system networking (wired and wireless communication)
- Methods of data processing (e.g. Cloud Computing, Big Data)
- System design

## Hands-on practise

Use your practical skills in four case studies, where you tackle hands-on challenges that strengthen and develop your personal, social and professional skills.

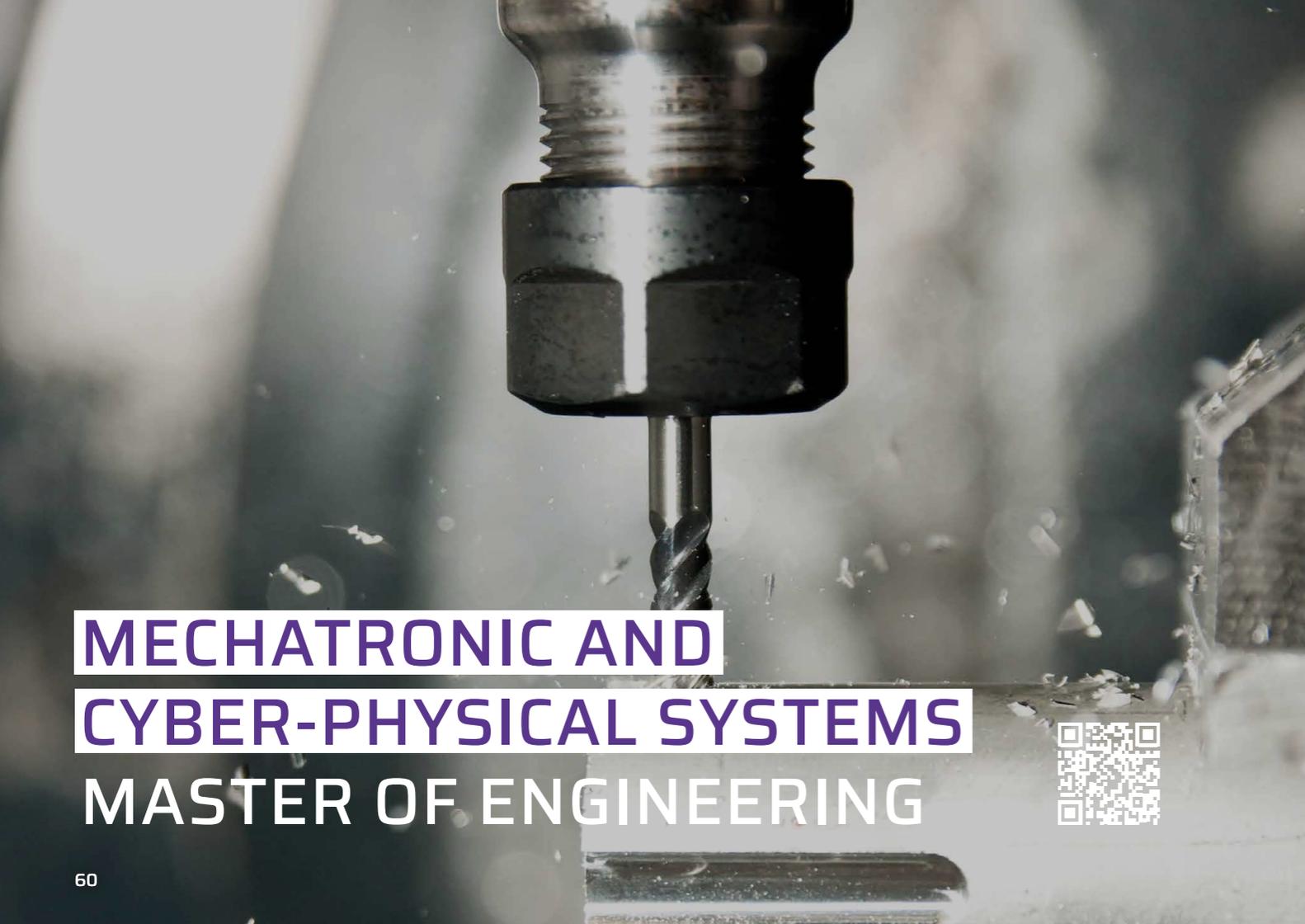
## Ideal learning environment

This course is located in the Technology Campus Cham, where it is embedded in a state-of-the-art research and development centre focusing in areas of mechatronic systems and production technology, sensors and actuators, robotics and control technology.

Our dedicated professors and support staff as well as state-of-the-art workshops and labs provide you with an excellent infrastructure to study AI and intelligent sensors and actuators in high-tech areas.

Sem. 1	<ul style="list-style-type: none"><li>• AI and Machine Learning</li><li>• Advanced Sensor Technology and Functionality</li><li>• Model-Based Function Engineering</li><li>• Advanced Programming</li><li>• Edge Device Architectures</li><li>• System Design</li></ul>
Sem. 2	<ul style="list-style-type: none"><li>• Deep Learning and Computer Vision</li><li>• Big Data</li><li>• Case Study Machine Learning and Deep Learning</li><li>• Autonomous Systems</li><li>• Case Study Edge Device Architectures</li><li>• Network Communication</li></ul>
Sem. 3	<ul style="list-style-type: none"><li>• Subject-Related Elective Course</li><li>• Master's Module</li><li>• Master's Thesis and Master's Seminar</li></ul>

**Duration** 3 semesters or 1.5 years  
**Location** Technology Campus Cham,  
Cham, Bavaria, Germany



# MECHATRONIC AND CYBER-PHYSICAL SYSTEMS MASTER OF ENGINEERING



### You shape the future

In the near future, intelligent, sensor-based and networked production systems will become self-regulating "smart factories". In addition to Industrial Internet of Things (IOT), robots on the other side of the spectrum are even gradually beginning to conquer social areas: Many surgical procedures are already robot-assisted today, and even in the care sector, attempts are being made to make measures technically more effective or to replace missing skilled personnel with robots. The field of automation, digitization and robotics has an enormous Bandwidth, and development is progressing at breath-taking speed.

Increasing digitalisation is changing the way we work and creating new professions. Expert knowledge is more in demand than ever, and is expected to increase steadily over the next few years. With this qualification, you can be the person in demand who is sought after in an increasingly digitalised world.

### Language focus

Due to its global relevance, this postgraduate degree is taught completely in English. If English isn't your native language, then proficiency in this language must be proved. Please view the website for details.

### Programme structure

Over the duration of 3 semesters which is 18 months, students 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 fields of application for cyber-physical systems as well as the functional safety of software-based control and automation systems.

Sem. 1	<ul style="list-style-type: none"><li>• Cyber- Physical Systems</li><li>• Advanced Robotics</li><li>• Advanced robotics</li><li>• Autonomous systems</li><li>• Case study cooperative and autonomous systems</li><li>• Advanced modeling and simulation</li><li>• Case study mechatronic system simulation</li></ul>
Sem. 2	<ul style="list-style-type: none"><li>• Human Machine Interfaces - VR/AR</li><li>• Case Study VR/AR in System Eng.</li><li>• Technologies of additive manufacturing</li><li>• AM production processes</li><li>• Case study CP production systems using AM</li><li>• Functional Safety - Principles and Design</li></ul>
Sem. 3	<ul style="list-style-type: none"><li>• Subject-related elective course (FWP)</li><li>• Master's Thesis and Seminar</li></ul>

**Duration** 3 semesters or 1.5 years

**Location** Campus Cham,  
Cham, Bavaria, Germany

# APPLIED AI FOR DIGITAL PRODUCTION MANAGEMENT MASTER OF ENGINEERING



## You shape the future

In the age of digitalisation, the ability to analyse and process big data in industry has become indispensable. In all manufacturing industries, there is an increasing demand for qualified specialists to read and use Big Data in production processes to make efficient strategic decisions, develop innovations to improve everyday workflow and increase companies' competitiveness while ensuring quality and sustainability in the digital production chain. Lectures combining machine learning, data analysis, data management and intelligent systems will help you to deepen your understanding of innovative methods of data processing. In addition to this, modules like "Advanced Statistical Methods & Optimisation" will prepare you for the increasing demands of AI in production, logistics and technology management. The theory you study will be put into practise through three case studies in AI, intelligent systems in production, and production systems, which are created and supervised by engineers from manufacturing companies.

## Language focus

Due to its global relevance, this postgraduate degree is taught completely in English. If English isn't your native language, then proficiency in this language must be proved. Please view the website for details.

## Course objectives

You will gain expertise in production, logistics and technology management which will enable you to manage or accompany technical projects in your future career. You will become an expert in: Machine learning and data processing methods (including cloud computing, big data), modern statistical methods and optimisation procedures, production and logistics management, digital production systems, digital tools in development and production & quality and sustainability.

Sem.  
1

- Machine Learning and Deep Learning in Production and Logistics
- Advanced Statistical Methods & Optimisation
- Data Management
- Production and Logistic Management
- Digital Tools in Development and Production
- Machine Vision

Sem.  
2

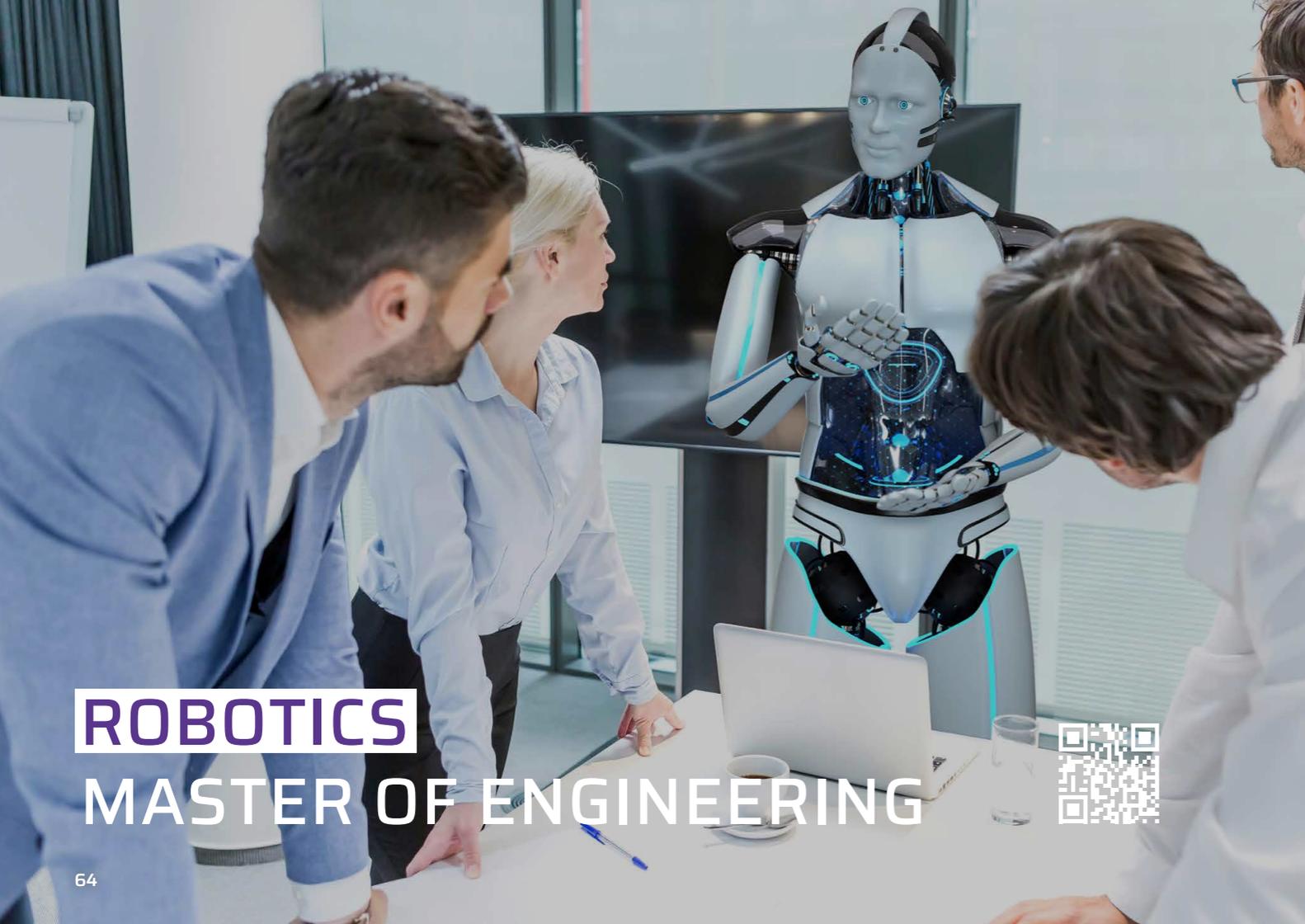
- Cross-Cultural Development for Engineers
- Advanced Intelligent Systems
- Case Study Intelligent Systems in Production
- Digital Production Systems
- Case Study "Production Systems"
- Quality & Sustainability

Sem.  
3

- Subject-Related Elective Course (FWP)
- Master's Thesis
- Master's Seminar (two parts: Master's colloquium and seminar series "Career Start into German Technology Companies")

**Duration** 3 semesters or 1.5 years

**Location** Campus Cham,  
Cham, Bavaria, Germany



# ROBOTICS

# MASTER OF ENGINEERING



### You shape the future

In this internationally oriented Master program, you'll prepare for research and industrial roles, focusing on robotics, AI, and practical applications. You'll study robotics, systems engineering, machine learning, and human-robot interaction. You'll also gain hands-on experience in robot programming and develop the skills to apply scientific methods and adapt to new technologies.

### Career Prospects

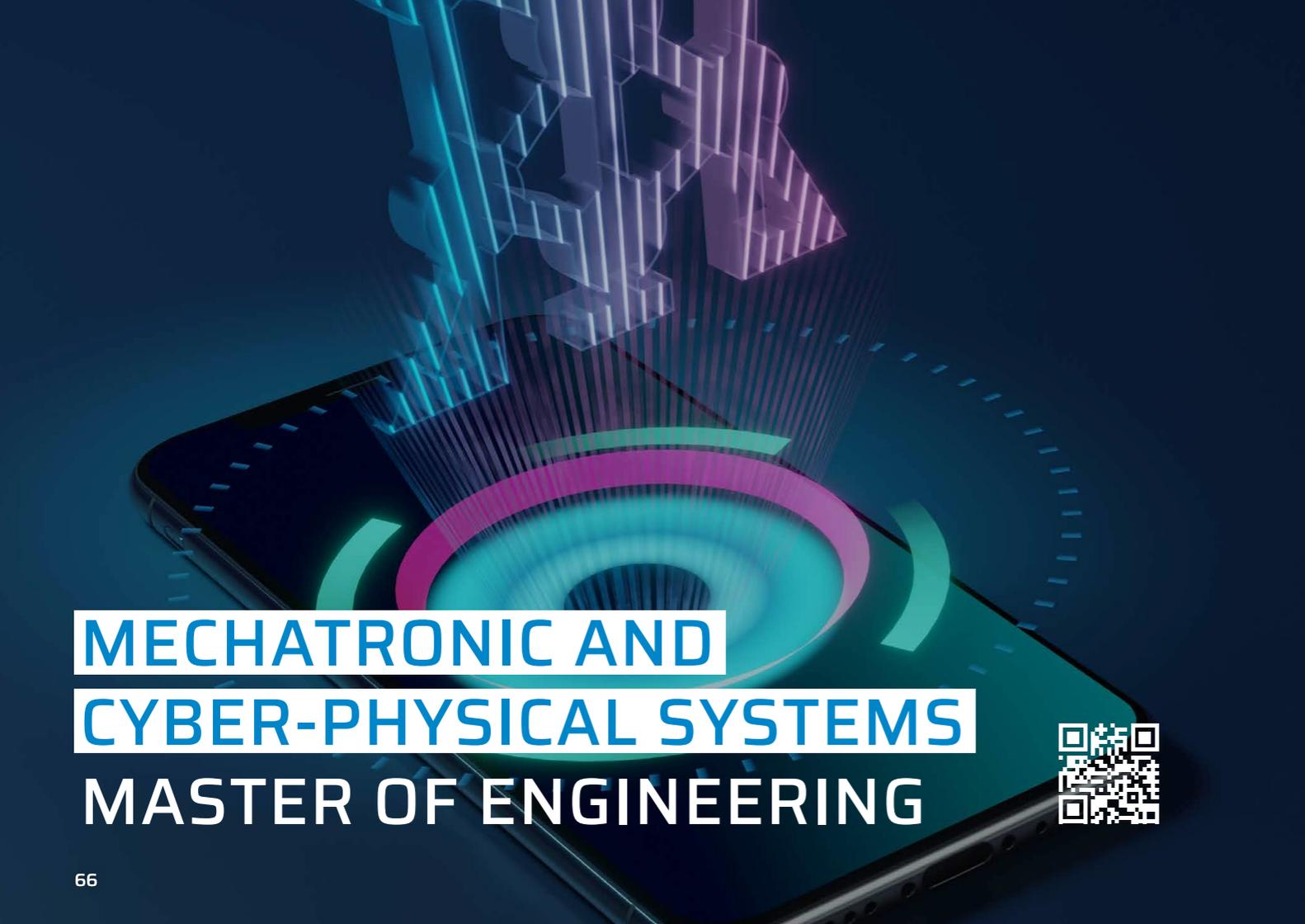
The programme is designed to qualify students for:

- Development, construction and application of robots in various fields of application, for example production and medical technology
- Development, construction and application of complex robot systems in the production environment
- Leading and managing technical projects
- Research and teaching

Attention is paid to a wide-ranging, qualified and scientifically sound education, which enables graduates to work in a variety of professions. Career opportunities are available not only in commercial and industrial companies, but also in research and teaching as well as in the private sector.

**Duration** 3 semesters or 1.5 years  
**Location** Campus Cham,  
 Cham, Bavaria, Germany

Sem. 1	<ul style="list-style-type: none"> <li>• Robot Dynamics</li> <li>• Advanced Methods in Control Engineering</li> <li>• Statistics and Machine Learning for Computer Vision</li> <li>• Technical Project Management</li> <li>• Embedded Systems</li> <li>• Cross-Cultural Development for Engineers</li> </ul>
Sem. 2	<p><b>(Specialisation: Intelligent Robotics or Assistive Robotics)</b></p> <p><b>Specialisation: Intelligent Robotics</b></p> <ul style="list-style-type: none"> <li>• Advanced Methods in Robotics</li> <li>• Image-Processing and Computer Vision</li> <li>• Robot-Modelling &amp; Simulation</li> <li>• Industrial Robotics &amp; Automation</li> <li>• Case Study ROS Robot Programming</li> <li>• Intelligent Multi-Agent Systems</li> </ul> <p><b>Specialisation: Assistive Robotics</b></p> <ul style="list-style-type: none"> <li>• Soft Robotics</li> <li>• Sensor Fusion and Perception for Assistive Robotics</li> <li>• Biomechanics</li> <li>• Rehabilitation Robotics</li> <li>• Case Study Assistive Robotics for Improvement of Life Quality</li> <li>• Human-Robot Interaction</li> </ul>
Sem. 3	<ul style="list-style-type: none"> <li>• Subject-Related Elective Course (FWP)</li> <li>• Master's Module</li> <li>• Master's Thesis</li> <li>• Master's Seminar (two parts: Master's colloquium (2 ECTS) and seminar series "Career Start into German Technology Companies")</li> </ul>



# MECHATRONIC AND CYBER-PHYSICAL SYSTEMS MASTER OF ENGINEERING



### You shape the future

In the near future, intelligent, sensor-based and networked production systems will become self-regulating "smart factories". In addition to Industrial Internet of Things (IIOT), robots on the other side of the spectrum are even gradually beginning to conquer social areas: Many surgical procedures are already robot-assisted today, and even in the care sector, attempts are being made to make measures technically more effective or to replace missing skilled personnel with robots. The field of automation, digitization and robotics has an enormous Bandwidth, and development is progressing at breath-taking speed.

Increasing digitalisation is changing the way we work and creating new professions. Expert knowledge is more in demand than ever, and is expected to increase steadily over the next few years. With this qualification, you can be the person in demand who is sought after in an increasingly digitalised world.

### Language focus

Due to its global relevance, this postgraduate degree is taught completely in English. If English isn't your native language, then proficiency in this language must be proved. Please view the website for details.

### Programme structure

Over the duration of 3 semesters which is 18 months, students 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 fields of application for cyber-physical systems as well as the functional safety of software-based control and automation systems.

Sem. 1	<ul style="list-style-type: none"><li>• Cyber-Physical Systems</li><li>• Advanced robotics</li><li>• Autonomous systems</li><li>• Case study cooperative and autonomous systems</li><li>• Advanced modeling and simulation</li><li>• Case study mechatronic system simulation</li></ul>
Sem. 2	<ul style="list-style-type: none"><li>• Human Machine Interfaces - VR/AR</li><li>• Case Study VR/AR in System Eng.</li><li>• Technologies of additive manufacturing</li><li>• AM production processes</li><li>• Case study CP production systems using AM</li><li>• Course related elective subject</li><li>• Functional Safety- Principles and Design</li></ul>
Sem. 3	<ul style="list-style-type: none"><li>• Subject-Related Elective Course (FWP)</li><li>• Master's Thesis and Seminar</li></ul>

**Duration** 3 semesters or 1.5 years  
**Location** Deggendorf Institute of Technology,  
Deggendorf, Bavaria, Germany

# ELECTRICAL ENGINEERING AND INFORMATION TECHNOLOGY MASTER OF SCIENCE



## Be prepared for your future international career

The globalised, digital markets of our modern world are constantly seeking highly qualified engineers with extensive theoretical knowledge and a broad range of creative know-how, enabling them to rise to challenges in electronic, information and communication technology.

This course is a fully-accredited (ASIIN), highly accepted international qualification. It prepares students perfectly for challenges in global industry.

## Prerequisites

Students must be degree graduates in Electrical Engineering and Information Technology, or in a closely related field. Furthermore, suitability is determined by examination. Examination content includes complex problems in advanced mathematics for engineering, as well as in the principles of electrical engineering and information technology and their applications. Sample questions are available on the web page under "admission prerequisites."

## Language focus

The course language is English\*, although a basic level of German is recommended. However, if neither English or German are the candidate's native language, then proficiency in either of these languages must be proved. Please view the web for details.

## Course focus

In this master's degree, students deepen and broaden their theoretical and application-oriented knowledge by choosing an area of specialisation depending on their professional focus. Read on for detailed descriptions of these areas of specialisation.

### Compulsory Courses (both specialisations)

- Advanced Programming Techniques
- Numerical Methods
- Special Mathematical Methods
- Harmonisation course or two compulsory electives
- Selected topics in Business Admin. and Human Resource Management
- Foreign Language Master
- Mastermodules: Thesis + Seminar

### Modules of Electronic and Communication Systems (ENS)

- Selected Topics in Micro- and Nanoelectronics
- Selected Topics in Optoelectronics and Laser Technology
- Modern RF and Radio Systems
- Special Devices and Circuits
- Signals and Systems in Communication

### Modules of Automation

- Advanced Modelling and Simulation
- Selected Topics in Control Engineering
- Selected Topics in Contactless Sensor Technology
- Automotive and Industrial Drive Systems
- Advanced Automation Technology

**Duration** 3 semesters or 1.5 years

**Location** Deggendorf Institute of Technology, Deggendorf, Bavaria, Germany



# DIGITAL HEALTH

# MASTER OF SCIENCE

### Be a specialist in a growing sector

Computer science supplies the health industry with IT solutions and operates primarily in medicine, nursing, pharmaceuticals, medical technology and administration.

### There is a particularly high and constantly growing demand for qualified medical informatic professionals in these fields:

Management in hospital IT, Health insurance providers, Pharmaceuticals industry, Medical technologies, Health care service industries (logistics, software development, consulting)

### Language focus

In a world of ever-increasing multicultural globalisation, great importance is placed on the development of students' language skills. The course language is completely English and the English language requirement is level C1. German language courses will be on offer but no prior knowledge of the language is necessary.

### Fields of competence

The focus is on hands-on, solution-oriented and implementation-oriented competencies in an international context, which are gained through concrete, practical projects and real-life case studies.

Competencies in the areas of health care, digital health, research and methodology as well as soft skills will be developed through a module-based course structure. Within the modules, synthesis and synchronisation will be achieved through translating knowledge into concrete case studies (deduction and induction). As a rule, case studies, projects and "hot topics" make up approximately 50% of each module.

Sem. 1	<ul style="list-style-type: none"> <li>• Fundamentals of Medicine and Computer Science (FMC)</li> <li>• International &amp; GlobalHealth (IGH): Major Health Issues; Health Law &amp; Ethics</li> <li>• Digital Health Fundamentals (DHF): Digital Health, eHealth &amp; Telemedicine</li> <li>• Digital Health Technology (DHT): Data, Information &amp; Communication</li> <li>• Digital Health Coding (DHC): Standards, Terminologies &amp; Classifications</li> <li>• Contemporary Health Research (CHR): Health Research &amp; Biomedical Statistics</li> </ul>
Sem. 2	<ul style="list-style-type: none"> <li>• Digital Health Information Systems (DHS): Medical Documentation Systems and HIS</li> <li>• Digital Health Applications (DHA): Application Systems in Digital Health</li> <li>• Health Economy &amp; Management (HEM): Management of Health Services &amp; Systems</li> <li>• Digital Health Data Protection (DHD): Data Privacy &amp; Security in Digital Health</li> <li>• FWP-1* Digital Health Management (DHM): Processes, Projects &amp; Programs</li> <li>• FWP-2* Digital Health Data Analytics &amp; Artificial Intelligence (DHI)</li> <li>• FWP-3* Digital Health Entrepreneurship (DHE): Business, Markets &amp; Innovation</li> <li>• FWP-4* Digital Health Programming (DHP): Advanced Software Engineering</li> </ul>
Sem. 3	<ul style="list-style-type: none"> <li>• Intercultural and Scientific Communication &amp; Management (ICM)</li> <li>• Master Thesis</li> </ul>

**Duration** 3 semesters or 1.5 years  
**Location** European Campus Rottal-Inn, Pfarrkirchen, Bavaria, Germany



# GLOBAL PUBLIC HEALTH MASTER OF SCIENCE



### Your future in world healthcare

This postgraduate joint degree programme in Global Public Health is designed to enable you as a graduate of international healthcare to meet modern, multidisciplinary requirements in a globalised, dynamic healthcare system.

You will learn how knowledge in Global Public Health is managing and promoting health in addition to preventing illness. The course focuses on public health in industrialized as well as in developing areas of the world, as you will explore major global health problems and their relation to culture, politics, human rights and ethical values.

### Career prospects

After successfully completing this postgraduate degree, expect to build your career in sectors including: governments, NGO's, consultancies, international organisations (e.g. UNDP, UNFPA, WHO), healthcare management, health promotion, human resource management, administration, marketing and controlling and occupational healthcare.

### Applicants

You are a suitable applicant if you are a graduate of medicine, health policy and academic research, or are a healthcare professional who aims to improve health globally to reach sustainable development goals.

Sem. 1	<ul style="list-style-type: none"><li>• Essentials of Global Public Health</li><li>• Digital Health</li><li>• Sustainable Health Economy</li><li>• Epidemiology and Health Data Analysis</li><li>• Electives I, II</li></ul>
Sem. 2	<ul style="list-style-type: none"><li>• Global Public Health Law and Ethics</li><li>• Research Methods and Writing Skills</li><li>• Universal Health Coverage</li><li>• Project Management</li><li>• Electives III, IV</li></ul>
Sem. 3	<ul style="list-style-type: none"><li>• Research methods and writing skills</li><li>• Master Thesis</li></ul>

**Duration** 3 semesters or 1.5 years  
**Location** European Campus Rottal-Inn, Pfarrkirchen, Germany



# HEALTHY AND SUSTAINABLE BUILDINGS MASTER OF ENGINEERING



## Build your own future

Become a competent specialist in the field of healthy buildings and healthy living conditions, in material selection and product development or selection throughout the construction and interior facilities, and technical planning and construction including renovations and restorations. Additionally, there are fields of work in the digitization and automation of healthy and sustainable buildings allowing for modern material flow, during the entire life cycle of buildings up to their demolition.

**Graduates have career prospects in:** Planning and design, Product development and Building management in the recycling and restoration branch and the smart home sector.

## Language focus

In a world of ever-increasing multicultural globalisation, great importance is placed on the development of students' language skills. The course language is completely English and the minimum requirement is level B2. Continual English lessons are given throughout the course to develop students' proficiency up to Level C1 within the first two semesters. German language courses will be on offer but no prior knowledge of the language is necessary.

## Fields of Competence

The aim of the „Healthy and Sustainable Building“ course is to impart the specific skills required for the energy-saving, resource-saving, healthy and modern requirements of an industrial society. Throughout the course of their studies, students deepen their expertise in five main areas of Healthy and Sustainable Buildings: Sustainable buildings, Evidence based and simulation based design, Sustainable and smart building systems, Research & methodology and Soft-skills and legal aspects.

Sem.  
1

- Environmental Psychology
- Sustainable Buildings & Neighbourhoods
- Smart Buildings
- Quantitative and Qualitative Research Methods

Sem.  
2

- Environmental Hygiene and Medicine Evidence Based Design I
- Standards & Green Building Certification Systems
- Building Performance Simulations
- Sustainable Energy Supply Systems
- Ambient Assisted Working & Living

Sem.  
3 + 4

- International Project Management and Implementation
- Building Safety & Security
- Evidence Based Design II
- Refurbishment and Renovation
- Evidence Based Design - Consolidation (FWP)
- Selected chapters Healthy & Sustainable Buildings & Neighbourhoods (FWP)
- Smart Infrastructure & Artificial Intelligence (FWP)
- R&D Project
- **Master thesis**

**Duration** 4 semesters or 2 years  
**Location** European Campus Rottal-Inn,  
Pfarrkirchen, Bavaria, Germany



# INTERNATIONAL TOURISM DEVELOPMENT MASTER OF ARTS

### Enjoy a vast range of career opportunities -

International tourism generates billions of Euros annually and is still one of the fastest-growing industries. It consists of a wide range of services and products which must meet the highest standards of quality and safety, yet be affordable for the consumer.

Therefore, services in the industry are within complex processes with intercultural and multidisciplinary influences, so there is a high demand for qualified specialists in many specialized areas.

### Language focus

In a world of ever-increasing multicultural globalisation, great importance is placed on the development of students language skills. The course language is completely English and the minimum requirement is level B2.

Continual English lessons are given throughout the course to develop students proficiency up to Level C1 within the first two semesters. German language courses will be on offer but no prior knowledge of the language is necessary.

### Fields of Competence

Throughout the course of their studies, students deepen their expertise in four main areas of International Tourism Management: Travel Technology, Research and Methodology, Business Management and International Tourism Management, which involves management skills in an industry shaped by legal requirements, union regulations and international standardization.

**DIT is an affiliate member of the United Nations World Tourism Organization.**



Sem. 1	<ul style="list-style-type: none"> <li>• Customer Experience Management</li> <li>• Current Issues in Business Administration</li> <li>• Managerial Accounting</li> <li>• Intercultural &amp; Interdisciplinary Management</li> <li>• Global and Regional Sustainable Tourism Development</li> <li>• Quantitative and Qualitative Research Methods I</li> <li>• Scientific Compulsory Elective Subjects I (AWP I)</li> </ul>
Sem. 2	<ul style="list-style-type: none"> <li>• Scientific Compulsory Elective Subjects II (AWP II)</li> <li>• Applied Customer Experience Management</li> <li>• Quantitative and Qualitative Research Methods II</li> <li>• Master Thesis Tutorial (Scientific Workshop)</li> <li>• Entrepreneurship and Business Development</li> <li>• Digital Marketing and Social Media in Tourism</li> <li>• Specialised Mandatory Elective Module</li> </ul>
Sem. 3	<ul style="list-style-type: none"> <li>• Destination Development and Marketing</li> <li>• Specialised Mandatory Elective Module</li> <li>• <b>Master thesis</b></li> </ul>

**Duration** 3 semesters or 1.5 years  
**Location** European Campus Rottal-Inn, Pfarrkirchen, Bavaria, Germany



## German degree courses

These courses are available to you if you are qualified and highly proficient in German and have passed the required language exams.

**View the website for each course language prerequisite:**  
[www.th-deg.de/en/apply](http://www.th-deg.de/en/apply)

If you have a basic knowledge of the German language and are aiming to study in German, you can participate in the "Let's Get Started" prep course to boost your German language skills up to the required level.

**Learn more about the "Let's Get Started" prep course:**  
[www.th-deg.de/prep-courses](http://www.th-deg.de/prep-courses)

**Learn more about the complete range of courses:**  
[www.th-deg.de/en/study-with-us/course-choices](http://www.th-deg.de/en/study-with-us/course-choices)



### LET'S GET STARTED - LANGUAGE PREP COURSES

**Let's get Started** is a preparational semester for you as an international applicant, if you have a university entrance qualification but an insufficient level of German for admission to a German-based degree course. Let's get Started prepares you for studying in German.

**Find out more:**  
[www.th-deg.de/en/study-with-us/prep-courses](http://www.th-deg.de/en/study-with-us/prep-courses)

### PREP COURSES -

### PREPARING FOR THE START OF YOUR STUDIES

We offer all applicants prep courses in English and Mathematics to guide you smoothly into the start of university life.

**Find out more:**  
[www.th-deg.de/en/study-with-us/prep-courses](http://www.th-deg.de/en/study-with-us/prep-courses)

## FACULTY - BIW CIVIL & CONSTRUCTION ENGINEERING

### Undergraduate

- B.Eng. Project Management in Civil and Construction Engineering
- B. Eng. Civil & Construction Engineering
- B. Eng. Environmental Engineering

### Postgraduate

- M.Eng. Civil & Environmental Engineering

## FACULTY - EMT ELECTRICAL ENGINEERING & MEDIA TECHNOLOGY

### Undergraduate

- B.Eng. Electrical Engineering and IT
- B.Eng. Media Technology
- B.Eng. Electromobility, Autonomous Driving and Mobile Robotics
- B.Eng. Electronics for Artificial Intelligence

### Postgraduate

- M.Eng. Media Technology
- M.Sc. Electromobility
- M.Sc. Applied Research in Engin. Sciences
- M.Sc. Automotive Electronics

## FACULTY - MB-MK MECHANICAL ENGINEERING & MECHATRONICS

### Undergraduate

- B.Eng. Electrical Engineering and IT
- B.Eng. Media Technology
- B.Eng. Electromobility, Autonomous Driving and Mobile Robotics
- B.Eng. Circular Engineering

### Postgraduate

- M.Eng. Media Technology
- M.Sc. Electromobility
- M.Sc. Applied Research in Engin. Sciences
- M.Sc. Automotive Electronics

## FACULTY - AI COMPUTER SCIENCE

### Undergraduate

- B.Eng. Applied Computer Sciences
- B.Sc. Artificial Intelligence
- B.Sc. Bioinformatics
- B.Sc. Business Informatics
- B.Sc. Cyber Security
- B.Sc. Software-Design

### Postgraduate

- M.Sc. Business Informatics
- M.Sc. Entrepreneurial Game Development
- M.Sc. Robotics

## FACULTY - AWW APPLIED ECONOMICS

### Undergraduate

- B.Sc. Economics
- B.A. Business Administration
- B.A. Tourism Management
- B.Sc. Organisational & Economic Psychology

### Postgraduate

- M.A. Human Resource Management
- M.A. Strategic & International Management
- M.Sc. Transformation and sustainable living space development- redesigning tourism
- M.Eng. Digital Business
- M.Sc. Digital Business Psychology

## FACULTY - NUW APPLIED NATURAL SCIENCES & INDUSTRIAL ENGINEERING

### Undergraduate

- B.Sc. Applied Sports Science
- B.Eng. Engineering Physics
- B.Eng. Industrial Engineering
- B.Eng. Mechatronics and Project Management for Digital Production (in Cham)
- B.Eng. Sustainable Systems Engineering

### Postgraduate

- M.Eng. Technology Management
- M.Sc. Applied Sports Science with Focus on Interprofessional Care in Sports

## FACULTY - AGW APPLIED HEALTHCARE SCIENCES

### Undergraduate

- B.Sc. Management in Health, Social & Rescue Services
- B.A. Management of Inclusion & Participation
- B.Sc. Physiotherapy majoring in Kinesiology (cooperative studies)
- B.Sc. Nursing
- B.Sc. Physician Assistant
- B.Sc. Emergency Paramedic
- B.A. Social Work
- B.Sc. Management in Rescue Services
- B.Sc. Ergotherapy

### Postgraduate

- M.Sc. Mental Health

## FACULTY - ECRI EUROPEAN CAMPUS ROTTAL INN

All programmes are lectured in English.

## Fees & regulations

### EUROPEAN CITIZENS

The Bavarian State Government charges German and EU students NO tuition fees for full-time undergraduate and postgraduate courses in Bavarian universities. The only fees are 82 Euros student services fee per semester. Please view the page opposite for details and living expenses.

### NON-EUROPEAN CITIZENS: NEW FEE REGULATIONS

All students are charged a student union fee of €82 per semester (the academic year consists of 2 semesters per year). In addition to this, administration and support fees will be charged to international applicants starting with the application period for the winter semester 2025/2026, and for international enrolled students starting in the winter semester 2025/2026 onwards:

*These fees are:*

- €60 application fee (multiple applications possible without further payment) at the Deggendorf Institute of Technology, plus
- €500 DIT semester fee per semester for enrolled students (the academic year consists of two semesters)



### FUNDING YOUR STUDIES

There are several opportunities to partially finance your studies through various scholarships, especially for students who excel in their studies. Generally, you must be enrolled at DIT to be eligible.

An detailed overview of all scholarships and how to apply for them is up on the website.

**Find out more details:**  
[www.th-deg.de/en/study-with-us/funding](http://www.th-deg.de/en/study-with-us/funding)

## SINGULAR PAYMENTS

Item	Approx. amount in Euros
Returnable apartment deposit	450 - 700
Residence permit (non-EU students only)	100 - 150
Participation fee for Orientation Week	0
<b>Total</b>	<b>Approx. 450 - 700 Euros (EU citizens) / 550 - 850 Euros (non-EU citizens)</b>

## EXPENSES PER MONTH

Item	Approx. amount in Euros per month
Food	250
Apartment, uncluding internet and utilities	350 minimum
TV and radio licence	18
Health and dental insurance (non-EU students only)	130 (mature students 30yrs+ are charged approx. 200 Euros)
Rexreational expenses	200
<b>Total</b>	<b>Approx. 818 Euros (EU citizens) / 948 Euros (non-EU citizens)</b>

## EXPENSES PER SEMESTER

Item	Approx. amount in Euros per semester
DIT tuition fee	0
Service fee for non-EU/EEA students	500
Student union fee (charged to all students)	82
<b>Total</b>	<b>Approx. 82 Euros (EU citizens) / 582 Euros (non-EU citizens)</b>

Please note that expenses may vary depending on your individual lifestyle!

## Application timeline

### IF YOU WANT TO APPLY FOR THE WINTER SEMESTER

If you choose a course that begins in October, you will begin in the winter semester, 01.10 (WS).

Application period (WS):  
15.04 - 15.07\*

### IF YOU WANT TO APPLY FOR THE SUMMER SEMESTER

If you choose a course that begins in March, you will begin in the summer semester, 15.03 (SS).

Application period (SS):  
01.10. - 15.01\*

\*The application deadline for some programmes might be shortened.



## How to apply?



### REGULAR STUDENTS

Generally, your foreign education certificates will be evaluated as to whether they allow for a higher education entrance qualification and if so, whether all or only certain subject areas may be studied.

Applications are submitted online over our university application portal, and all application procedures including the English language certificates required for each course are outlined in detail on the website.

We welcome students from all over the globe. An application fee of 60 euros is charged to non-EU /EEA applicants for the processing of international certificates.

#### Application period (full-time studies)

- 15 April - 15 July for entry in October
- 01 Oct - 15 Jan for entry in March

#### Exceptions to the regular application period

- See the website [www.th-deg.de/en/apply](http://www.th-deg.de/en/apply) for more details

**How to apply:** [www.th-deg.de/en/apply](http://www.th-deg.de/en/apply)

### EXCHANGE STUDENTS

Exchange students apply through Mobility Online. To apply, fill out the online application form and upload the following documents: CV, enrolment certificate, transcript of records, scan of passport photos or national ID card, exam grade sheet, proof of English language, minimum requirement B1.

#### Application period

- 01 April - 01 June for entry in October
- 01 Oct - 01 Dec for entry in March

All applicants are encouraged to research their course choices and check that they fulfill every prerequisite before applying. Please note that the online application form is only visible during the application period.

**How to apply:** [www.th-deg.de/exchange-students](http://www.th-deg.de/exchange-students)

## Contact

### TECHNISCHE HOCHSCHULE DEGGENDORF / DEGGENDORF INSTITUTE OF TECHNOLOGY

Dieter-Görlitz-Platz 1  
94469 Deggendorf, Germany  
[www.dit.edu](http://www.dit.edu)

### GENERAL ENQUIRIES ABOUT STUDYING AT DIT

 [welcome@th-deg.de](mailto:welcome@th-deg.de)  
[www.th-deg.de/en/advice](http://www.th-deg.de/en/advice)

## Social Media

-  /HochschuleDeggendorf
-  /th\_deggendorf
-  /TH\_Deggendorf
-  /thdeggendorf
-  /THDeggendorf
-  /european.campus.pfarrkirchen

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Wear your  
campus story



find out more



