



Deutscher Akademischer Austauschdienst  
German Academic Exchange Service



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# Bachelor's degree



## BSc Artificial Intelligence

Deggendorf Institute of Technology • Deggendorf



## Overview

Degree	Bachelor of Science (BSc)
Teaching language	<ul style="list-style-type: none"><li>English</li></ul>
Languages	Course language: English
Programme duration	7 semesters
Beginning	Winter semester
Application deadline	15 April — 15 June for October entries (winter semester)
Tuition fees per semester in EUR	None
Joint degree / double degree programme	No
Description/content	<p>The fascinating world of artificial intelligence (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 topics such as machine learning, computer vision, natural language processing, big data, deep learning, autonomous robotics and computational logic.</p> <p>Customise 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. Benefit from the compulsory internship semester, in which you will have the opportunity to apply your newly acquired skills to challenges in a work environment. Our department closely collaborates with industrial partners to provide you with an environment to complete your thesis project in the last semester, thus providing you with the perfect preparation to launch your degree in AI upon graduation.</p>
Current information	<p>Rankings</p> <p>WURI (World University Rankings for Innovation) – Ranking 2023:</p>

- Number one worldwide in the category "Entrepreneurial Spirit"
- Number 16 worldwide in the overall ranking of the most innovative universities

## Course Details

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### Course organisation

This course is located on our flagship campus in Deggendorf, where it is embedded in the faculty of Computer Science.

#### First semester:

- Mathematics I
- Programming I
- Foundations of Computer Science
- Operating Systems and Networks
- Introduction to Artificial Intelligence
- Key Competencies I (Media Skills and Self Organisation, Business Administration)

#### Second semester:

- Mathematics II
- Programming II
- Algorithms and Data Structures
- Internet Technologies
- Computational Logic
- Key Competencies II (Foreign Language: German or English)

#### Third Semester:

- Databases
- Statistics
- Project Management
- Assistance Systems
- AI Programming
- Key Competencies III (Technology Ethics and Sustainability, Academic Writing) or German

#### Fourth semester:

- Natural Language Processing
- Human Factors and Human-Machine Interaction
- Machine Learning
- Computer Vision
- Software Engineering
- Key Competencies IV (Compliance, Data Protection and IT Law) or German

#### Fifth semester:

- Internship
- Internship Accompanying Course I
- Internship Accompanying Course II

#### Sixth semester:

- Seminar: Current Topics in AI
- Autonomous Robotics
- AI Project
- Deep Learning / Big Data
- Compulsory Elective Module I
- Key Competencies V (Team Building and International Communication, Entrepreneurship) or German

#### Seventh semester

- Compulsory Elective Module II
- Compulsory Elective Module III: AI Applications I
- Compulsory Elective Module IV: AI Applications II
- Bachelor's module (Bachelor's thesis, Bachelor's seminar)

<b>International elements</b>	<ul style="list-style-type: none"> <li>• International guest lecturers</li> <li>• Specialist literature in other languages</li> <li>• Language training provided</li> <li>• Training in intercultural skills</li> <li>• Integrated/optional study abroad unit(s)</li> </ul>
<b>Integrated/optional study abroad unit(s)</b>	Students are welcome to spend a semester abroad at one of our partner universities.
<b>Integrated internships</b>	Yes
<b>Course-specific, integrated German language courses</b>	Yes
<b>Course-specific, integrated English language courses</b>	Yes

## Costs / Funding

<b>Tuition fees per semester in EUR</b>	None
<b>Semester contribution</b>	<p>82 EUR student union fee per semester</p> <p>In addition to this, administration and support fees will be charged to international applicants who are not from the EU or EEA starting with the application period for the winter semester 2025/2026. You can find the details here: <a href="#">information for international applicants and students</a></p>
<b>Costs of living</b>	<p>Approx. 760 EUR per month</p> <p>Here you will find a financial overview for students, who are living and studying here <a href="#">monthly expenses</a>.</p>
<b>Funding opportunities within the university</b>	Yes
<b>Description of the above-mentioned funding opportunities within the university</b>	<p>If you are an enrolled DIT student, there are several opportunities to partially finance your studies through a scholarship.</p> <p>Detailed information about funding opportunities is published here: <a href="https://th-deg.de/en/study-with-us/funding">https://th-deg.de/en/study-with-us/funding</a>.</p>

## Requirements / Registration

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**Academic admission requirements**

- General university entrance qualification
- A successfully completed, online [assessment test](#) covering mathematical, logical topics from the general field of AI is necessary. The test duration is 90 minutes.

**Language requirements**

If English is not your native language, [proof of sufficient English skills](#) is necessary.

Further information can be found here: <https://www.th-deg.de/en/apply#language-requirements>.

**Application deadline**

15 April — 15 June for October entries (winter semester)

**Submit application to**

Please apply directly to Deggendorf Institute of Technology via our application portal. All required documents must be uploaded on the application portal. It is not necessary to send in hard copies by postal mail.

Please find more details regarding our application process here: <https://www.th-deg.de/en/apply#international>

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## Services

**Possibility of finding part-time employment**

There are various job opportunities in and around Deggendorf.

**Accommodation**

A supportive environment is vital for students to feel comfortable and do well in their studies. Therefore, we go to great efforts to support our students on personal, social and academic levels.

The International Office assists international students with all matters regarding accommodation.

There are several [dormitories and many flats](#) available in Deggendorf.

View our flat rental website for private accommodation and get directly into contact with landlords: <https://pmit-ext.th-deg.de/wb/search>

For further information, please contact: [accommodation-dit@th-deg.de](mailto:accommodation-dit@th-deg.de).

**Career advisory service**

Career service workshops and seminars are held throughout the year to help students with their job applications and interview techniques. We provide the following:

- CV checks
- Workshops and seminars for job preparation
- University job fair

Furthermore, we offer the [Job Rock-It](#) programme, especially designed for international degree-seeking students. In this programme, a clever combination of seminars, workshops and lectures provides a basic understanding of the German economy and thus enables easy access to the German labour market. This programme can help students with their final theses, and it can lead to internships or even permanent positions after graduation.

**Support for international students and doctoral candidates**

- Welcome event
- Buddy programme
- Tutors
- Accompanying programme
- Cultural and linguistic preparation

- Visa matters
- Pick-up service

## Our Partners



## Faculties and Fields of Study

Are you interested in environmentalism, psychology, physiotherapy or robots? We offer all this and more at the Deggendorf Institute of Technology (DIT). Watch our video to learn more about our faculties and fields of study at DIT.

» more:  
<https://www.youtube.com/watch?v=qCZobPOsD8A>

# Deggendorf Institute of Technology



Deggendorf Institute of Technology

© DIT Marketing Department

We are a multi-award-winning university of applied sciences founded in 1994 and located in stunning Bavaria. Ranked as one of the best universities of applied sciences in Germany, we strive for academic excellence and are committed to producing global graduates with international degrees at multiple levels. The total student population of more than 8,700 includes 45% international students from all over the globe. The language of instruction is either English or German, depending on the degree programme. Study groups rarely include more than 50 students to ensure not only a personal atmosphere but also individual support for students to excel. All full-time degree

programmes are free from tuition fees.

Explore our [fields of study!](#)

Let us inspire you:

- [See the advantages of studying at DIT.](#)
- [Read through the International Prospectus.](#)

#### Intensive support:

A supportive environment is vital for students to feel comfortable and do well in their studies. We go to great efforts to support our students on personal, social and academic levels. International students who wish to experience the Bavarian lifestyle in a family can join the “Host Family Programme”. “International Tutors” provide social support for international students, while “Study Buddies” help students to understand challenging lecture content. The International Office supports with accommodation, visas, health insurance, scholarships, etc. in addition to organising an orientation week and intercultural training for all incoming internationals.

- [Find out more about student support.](#)

#### International experience:

Our [216 partner universities worldwide](#) provide enrolled students with opportunities to gain experience and earn credits towards their degrees through foreign exchange semesters, or in some cases, through double-degree studies abroad.

#### Practical experience:

All undergraduate studies include a compulsory internship, giving students the opportunity to practice their hands-on skills. Postgraduate students have the opportunity to work on practical research and development projects on our own [technology campuses](#). We cooperate with more than 500 companies, including global players such as BMW, MAN, Continental and Siemens, where students can gain invaluable work experience. The university's [career service](#) organises a range of practical workshops and seminars to prepare students for the job market, meaning our graduates are particularly successful in the job market; 87% enter into permanent employment directly after graduation.

#### Student lifestyle:

We consider a [good lifestyle](#) to be an important factor for the well-being of our students. They are supported with many facilities, such as a range of student clubs, an extensive sports programme, a big band, a campus cinema, an international week including an international food fair, and social activities or day trips organised by the Erasmus Student Network. Our annual campus open day and summer open-air music festival are firm favourites among our staff and student community.



## University location

Our three teaching campuses are located in Bavaria in Southern Germany, close to the city of Munich, the Austrian border and the Alps. Our main flagship campus is located in charming [Deggendorf](#) and is the base for most students. The [European Campus Rottal-Inn \(ECRI\)](#) is a dynamic and multicultural study environment where all classes are exclusively in English. The Cham campus is a cosy international hub for AI and mechatronic students.

[View the campuses](#)

#### Deggendorf Campus:

The [Deggendorf campus](#) is our largest campus, and it has recently undergone a vast extension to accommodate the expanding university community. It has a modern, central courtyard with a hovering deck over water where staff and students relax while having lunch, socialising, revising or just lounging. All lecture rooms, science labs, facilities and service centres are based on and around campus, creating an excellent studying environment.

The beautiful town of Deggendorf has a population of 40,000 and is located on the banks of the Danube river at the foot of the Bavarian Forest. Munich International Airport is one hour's drive away and can easily be accessed by public transport. Our students enjoy vibrant social lives, as Deggendorf has plenty to offer: restaurants, cafés and pubs, plus many cultural festivals and events. It has an excellent network of bike trails, leisure cruise ships on the river and a surrounding hilly landscape that provides a stunning natural backdrop to enjoy

countless recreational activities.

Newly built, self-contained student apartment blocks are within close walking or biking proximity to campus, the town centre and all local amenities.

#### **European Campus Rottal-Inn:**

At the [European Rottal-Inn campus](#), all Bachelor's and Master's degree programmes are conducted exclusively in English, creating a dynamic study environment with a diverse and international student community.

The campus is nestled in the town of Pfarrkirchen among rolling, picturesque hills between the Danube and Inn rivers, close to the Austrian border. 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 range of appealing leisure activities, being well-known for its spas, golf courses, equestrian sports and extensive bike network.

#### **Cham campus:**

The Cham campus is our newest and most compact campus, with over 600 students, 75% being international students. Its Master's programmes are taught completely in English, and students benefit from intensive personal supervision in small study groups. The campus has a close relationship with regional and national companies in the field of mechatronics, so students learn in both an applied and scientific way.

Only a ten-minute walk from the town centre of Cham, the campus offers a unique atmosphere. Situated directly on the Regen River, students complete their studies in a relaxed and scenic country environment.

There are plenty of leisure facilities within walking distance of the campus: a leisure park with various sports facilities, a swimming pool with access to the river, a cinema, a climbing hall, shops and restaurants. It's a great place to live and study!

## Contact

### **Deggendorf Institute of Technology**

Faculty of Computer Science

Dieter-Görlitz-Platz 1  
94469 Deggendorf

✉ [welcome@th-deg.de](mailto:welcome@th-deg.de)

🌐 Course website: <https://www.th-deg.de/ain-b-en>

📘 <https://www.facebook.com/HochschuleDeggendorf>

🐦 [https://twitter.com/th\\_deggendorf](https://twitter.com/th_deggendorf)

🌐 <https://www.linkedin.com/school/technische-hochschule-deggendorf/>

📷 [https://www.instagram.com/th\\_deggendorf/](https://www.instagram.com/th_deggendorf/)

📺 <https://www.youtube.com/user/THDeggendorf>

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# International Programmes in Germany - Database

[www.daad.de/international-programmes](http://www.daad.de/international-programmes)  
[www.daad.de/sommerkurse](http://www.daad.de/sommerkurse)

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## GATE-Germany

Consortium for International Higher Education Marketing  
[www.gate-germany.de](http://www.gate-germany.de)

## Disclaimer

The data used for this database was collected and analysed in good faith and with due diligence. The DAAD and the Content5 AG accept no liability for the correctness of the data contained in the "International Programmes in Germany" and "Language and Short Courses in Germany".

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