OVERVIEW

Degree
- Bachelor of Science (B.Sc.)

Duration
- 7 semesters (3.5 yrs)

Start
- Annually in October

Location
- Deggendorf

Course language
- English

Admission requirements
- General university entrance qualification
- English level B2
- A successfully completed written, online assessment test covering mathematical, logical topics from the general field of AI. Test duration is 90 mins.

Prerequisites
- Knowledge in STEM subjects is helpful

Postgraduate opportunities
- Master Artificial Intelligence and Data Science
- Master Applied Computer Science
- Master of Applied Research
- Master Business Informatics

Fees
- 72 € Studentenwerksbeitrag pro Semester
- Internationale Bewerber:innen und Studierende: www.th-deg.de/bewerbung#internationale-bewerber

APPLICATION

Application period

th-deg.de/deadlines-b

Online application
- In the Primuss portal at www.th-deg.de/en/apply

Deadline for submitting documents
- until 27 July

Notice of acceptance or denial
- in the Primuss portal until mid August

Enrolment
- You will find information on this in the admission notice

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

www.th-deg.de/ain-b

CONTACT

Deggendorf Institute of Technology
Dieter-Görlitz-Platz 1
94469 Deggendorf
Germany

www.th-deg.de/en/deggendorf-campus

CONTACT

Are you interested in studying for this Bachelor in AI and would like to find out more?
Please direct all enquiries to:

welcome@th-deg.de
www.th-deg.de/en/advice

DEGGENDORF INSTITUTE OF TECHNOLOGY

Technische Hochschule Deggendorf/
Deggendorf Institute of Technology
Dieter-Görlitz-Platz 1
94469 Deggendorf, Germany
Tel. +49 (0)991 3615-0
Fax +49 (0)991 3615-297
info@th-deg.de
www.th-deg.de/en

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TECHNISCHE HOCHSCHULE DEGGENDORF THD

Bachelor ARTIFICIAL INTLLIGENCE

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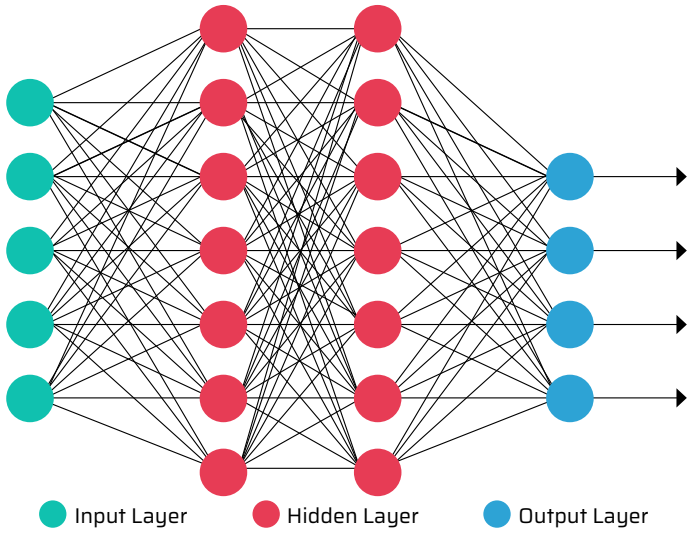
THE AUTOMATION OF HUMAN DESICIONS

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.



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 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 a possible environment to complete your thesis project in the last semester, providing you with the perfect preparation to launch your degree in AI upon graduation. provide a solid foundation for innovative thinking.

COURSE CONTENT

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

Semester 1	Mathematics 1, Programming 1, Foundations of Computer Science, Operating Systems and Networks, Introduction to Artificial Intelligence, Key Competencies 1 (Media skills and Self-Organization, Business Administration)
Semester 2	Mathematics 2, Programming 2, Algorithms and Data Structures, Internet Technologies, Computational Logic, Key Competencies 2, Foreign Language (German or English)
Semester 3	Databases, Statistics, Project Management, Assistance Systems, AI Programming, Key Competencies 3 (Technology Ethics and Sustainability, Academic Writing) or German
Semester 4	Natural Language Processing, Human Factors and Human-Machine Interaction, Machine Learning, Computer Vision, Software Engineering, Key Competencies 4 (Compliance, Data Protection and IT Law) or German
Semester 5	**Internship** Internship, Internship-Accompanying Course 1, Internship-Accompanying Course 2
Semester 6	Seminar Current Topics in AI, Autonomous Robotics, AI Project, Deep Learning/Big Data, Compulsory Elective 1, Key Competencies 5 (Team Building and International Communication, Entrepreneurship) or German
Semester 7	Compulsory Elective 2, Compulsory Elective 3: AI Applications 1, Compulsory Elective 4: AI Applications 2 **Bachelor seminar** and **Bachelor thesis**

All lectures and exams are conducted in English, therefore fluent English skills are crucial.

COURSE SPECIALITIES

The lectures of the 1st and 2nd semester can be attended both on campus in Deggendorf or online from home, so if your visa is delayed as an international student, you can start your studies without delay; the exams have to be taken on campus in person.

If German is not your first language, German level A2 must be proven by the end of the course according to the common European reference framework. Some of the key competency modules can therefore be replaced by language courses if necessary.

Nearly every industry requires automated decision making by AI in order to remain competitive. As a graduate, you will be able to analyse data, develop AI systems, manage AI projects, advise executives and customers on these topics and undertake AI research.

In light of the ongoing major investments in AI by companies and government, there are plenty of job opportunities for you, such as:

- Data scientist
- Software engineer
- Consultant
- Business developer
- Project manager
- Researcher

Potential employers of graduates from this programme are from all industries, in particular from the software industry. You may, however, also found your own startup upon graduation.