

## OVERVIEW

### Degree

- Master of Science (M.Sc.) issued jointly by DIT and the University of South Bohemia

### Duration

- 4 semesters (2 yrs)

### Start

- Annually in March and October

### Location

- Deggendorf & Ceske Budejovice

### Language of instruction

- English

### Admission requirements

#### Phase 1: Formal Criteria

- Bachelor degree in AI, Data Science, Computer Science or closely related field
- A minimum of 18 ECTS from AI or Data Science courses
- English level B2

Students who meet all the formal requirements will be admitted to the admission test.

#### Phase 2: Admission Test

- Section A: Maths  
(Calculus, Linear Algebra, Logic, Probability and Statistics)
- Section B: Software Development  
(Algorithms & Datastructures, Design Patterns, OOP, Programming, UML)
- AI (Computational Intelligence, Neural Networks)
- Data Science (Analytics, Databases, SQL)

### Fees

- No tuition fees
- €62 student services fee for Deggendorf per semester (additional fees for the University of S.Bohemia will apply)

## APPLICATION

### Application period

- 15 Nov - 15 Jan

### Online application

- In the Primuss Portal at [www.th-deg.de/en/apply](http://www.th-deg.de/en/apply)

### Notice of acceptance or denial

- In the Primuss-Portal at the start of Feb

### Enrolment

- Information available in letter of admission

### Prep courses

- See [www.th-deg.de/prep-courses](http://www.th-deg.de/prep-courses) (no obligation)

### Semester start

- 15 March and 1 October

## STUDY LOCATION


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

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

## CONTACT

Are you interested in studying for this Master in Artificial Intelligence and Data Science and would like to find out more?

Please direct all enquiries to:

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

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



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

 /HochschuleDeggendorf

 /th\_deggendorf

 /TH\_Deggendorf

 /THDeggendorf



© DIT Marketing Department 03.2022

MASTER

ARTIFICIAL INTELLIGENCE  
AND  
DATA SCIENCE



## AI, DATA SCIENCE & OUR WORLD

Just as electricity brought about far-reaching changes over 100 years ago, artificial intelligence (AI) has fundamentally started to change our lives and has been called the next phase of the industrial revolution. Almost all branches of industry have been affected by the ongoing transformation through its algorithms and it has established itself firmly in our society as a whole.

The Master of Artificial Intelligence and Data Science course addresses this 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, where you will be able to put theory to practice in a real work environment.

In addition, this course aims to strengthen the EU goals of cooperative learning, research and teaching. Due to the cross-border nature of the course, its embeddedness in regional high-tech companies and its international character, you will not only gain expertise and practice in this sector but also benefit from a diverse and multicultural student community that will promote your intercultural skills and 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.



Electives I, II plus all elements of semester 3 and 4 are customisable. This means that approx. 40% of the course can be individualised, enabling you to fill knowledge gaps and add a heightened focus on your individual academic interests.

\*All elective subjects are related to AI and Data Science, and are selected in coordination with your study coordinator.

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

## 2 UNIVERSITIES, 1 UNIQUE DEGREE

You will study at two universities for one unique degree at the forefront of European university integration.



Gain direct access to the faculties of two different universities and benefit from the many advantages of studying equally at two top institutions:

- Choose from a larger selection of fields of research
- Receive guidance and support from double the number of teaching and support staff
- Access double the numbers of potential employers
- Learn to navigate two different cultures and to develop your intercultural & language skills

This joint degree programme is a cooperation between:



and



The two university locations:

