Course/Programme requirements

Admission criteria

- Higher education entrance qualification equivalent to German Abitur or Fachhochschulreife
- All applicants, who have obtained their higher education entrance qualification at a non-German institution, must apply for a VPD at uni-assist
- Level B2 English language skills
- If German is not your native language, you must prove that your German language skills are at least at level A2 according to the CEFR

Personal commitment/Assessment of motivation/ Other skills

Students of Applied Artificial Intelligence should have the ability to think logically and abstractly, be creative and enjoy problem solving and be open to mathematics and technological trends. The ability to work in a team and independently are also required during the course of study.

Application process

- Start of the course: winter semester
- Application period: from 15 April to 15 July
- Application for a VPD at uni-assist is possible from 1 March.
- Application online at **>> www.th-rosenheim.de/en**
- Admission to the course is not restricted

Contact

For general questions regarding your choice of study programmes, please contact the Central Student Advisory Office,

Phone: +49 8031 805-2495

E-mail: studienberatung@th-rosenheim.de

Bild: D. Bezold

Studying in Rosenheim

Rosenheim Technical University of Applied Sciences is the most important educational institution in south-eastern Bavaria and it combines a regional profile with an international reputation. Close contacts to the industry in one of Germany´s strongest economic regions allow 6.500 students to gain the practical skills that are indispensable for a successful career. A friendly atmosphere, close contact between students and faculty and a modern campus setting provide an ideal learning environment.

Technische Hochschule Rosenheim
Technical University of Applied Sciences

Hochschulstraße 1, 83024 Rosenheim

Phone: +49 8031 805-0, E-mail: info@th-rosenheim.de

www.th-rosenheim.de

Picture on front page: Max Baudrexl

Bachelor´s Degree Programme Applied Artificial Intelligence

Bachelor of Science (B.Sc.)

Rosenheim
Technical University of Applied Sciences

BACHELOR´S DEGREE PROGRAMME
Applied Artificial Intelligence

- Degree: Bachelor of Science (B.Sc.)
- Duration: 7 semesters (6 theoretical semesters and 1 practical semester)
- Teaching language: English
- Credit Points (CP): 210
- Costs: no tuition fees, only Student Union fee: 75€ per semester
- Dual education with “advanced work experience” is possible

Why study Artificial Intelligence?

We live in a world, where Artificial Intelligence (AI) is progressing rapidly. In almost all areas of our daily life we have touchpoints with AI. Autonomous driving or voice support are currently the best-known areas of application. But AI is also used in other industries, such as medical research, nursing, climate protection or production – to name just a few.
AI is diverse, offers a wide range of possible applications and requires a broad knowledge to apply. The need for qualified specialists and managers in this area is huge, worldwide. For this reason, Rosenheim Technical University of Applied Sciences designed the Applied Artificial Intelligence Bachelor‘s degree. This course will take place entirely in English and is one of the first study programmes in the field of AI throughout universities of applied sciences in Germany.

Teaching Computers - What to expect from the Applied Artificial Intelligence programme in Rosenheim
>> https://youtu.be/xenIn1crwXQ

International Mobility (International Office)
>> www.th-rosenheim.de/welcome

Contents and structure of the course

Programme structure

The Bachelor’s degree programme covers seven semesters.

Semester 1 - 4

In the first four semesters students learn the fundamentals of artificial intelligence, computer science and mathematics.

Semester 5

The fifth semester is a practical semester with 18 weeks of work experience and two weeks of accompanying lectures.

Semester 6 + 7

In the last two semesters students work on at least two practical projects in close collaboration with regional companies. The Bachelor‘s thesis is to be completed in the seventh semester.

In addition, the curriculum includes specialist required elective modules (FWPM) from different disciplines out of computer science, mathematics and engineering. You can choose among these to develop your individual specialist skills you’ll need for your further study or career.
At the end of the programme, you’ll be able to design, build, analyse and solve problems in many areas relating to artificial intelligence.

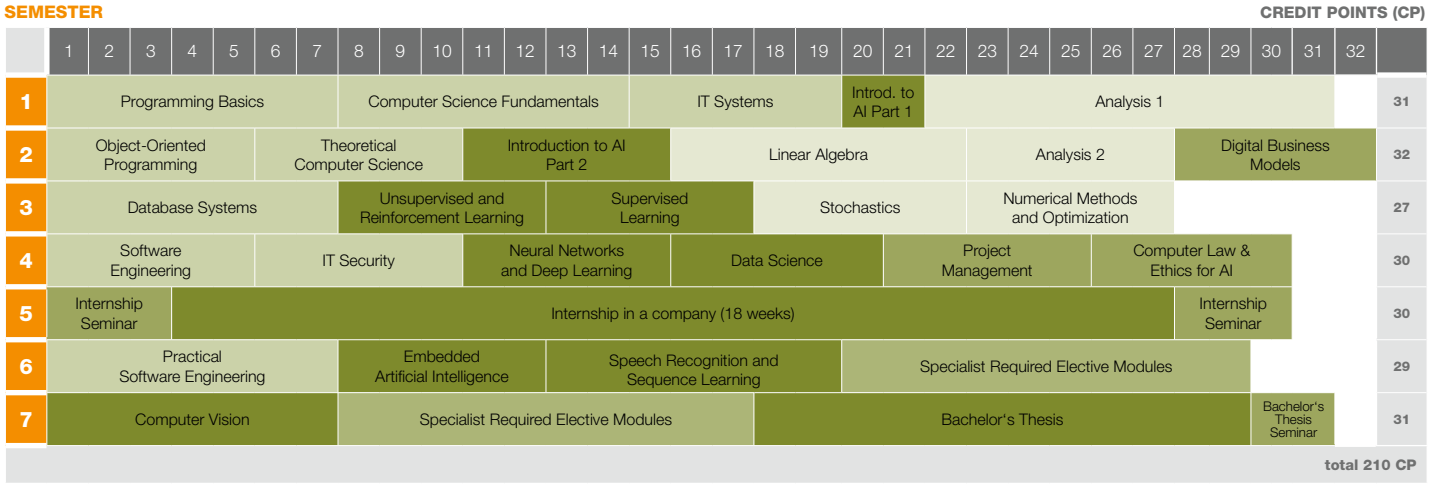
For more information, please visit:
>> www.th-rosenheim.de/applied-artificial-intelligence-b

Career prospects

As a graduate of the Bachelor’s degree programme in Applied Artificial Intelligence you will have the best career prospects in all industries – regionally and globally. Numerous national and international IT companies are located in the region around Munich and you will face many exciting, and partly newly developed job profiles:

- Software Engineer
- Robotics Engineer/Control
- Cloud Solution Architect
- Software Developer
- MLOps
- Expert for AI & Data Analytics
- Algorithm Developer
- Data Scientist
- AI Consultant
- Retail/Marketing
- NUI Developer
- Computer Vision Engineer
- Deep Learning Engineer
- Education
- Machine Learning Engineer
- Speech Processing Expert
- Internet of Things
- Medicine/Healthcare/Care
- Production/Construction
- Law and Contracts
- Smart Home
- Big Data
- Automotive/Transportation
- Gaming
- Environment/Agriculture
- Security

This is only a small selection of your options. Of course, you can extend your studies with a master‘s degree. A doctorate is also possible.



Legende Modulzuordnung: ■ Artificial Intelligence ■ Computer Science ■ Core Competencies & Soft Skills ■ Mathematics

We cannot guarantee the accuracy of this information. Current timetables are available online in the study and examination regulations.