



BSc Artificial Intelligence

School of Computer Science & Digital Technologies

Statistical foundations, machine learning and responsible AI systems engineering.

Statistical foundations, machine learning and responsible AI systems engineering. The programme combines scientific foundations with project-based engineering practice, delivered in structured semesters with supervised teaching.

Qualification	Recognised secondary qualification or equivalent
Academic credits	120
Duration	4 semesters
Language of instruction	Deutsch / English
Start	1 October 2027
Tuition	EUR 2,450 per semester, EUR 9,800 in total
Application deadline	15 July 2027

Curriculum

Semester 1

- Python for AI
- Mathematics for AI
- Statistics
- Data Structures

Semester 2

- Algorithms
- Machine Learning
- Deep Learning
- Data Processing

Semester 3

- Natural Language Processing
- Computer Vision
- Generative AI
- Large Language Models

Semester 4

- Intelligent Agents
- Reinforcement Learning
- AI Ethics
- AI Systems Engineering
- Final Project

Learning outcomes

- Apply scientific method to technical problems
- Design, model and evaluate complex systems
- Communicate results to specialist and international audiences
- Assess technological developments in ethical and legal terms

Admission requirements

- Recognised secondary qualification or equivalent — higher education entrance qualification including mathematics and one natural science (overall grade 2.5 or better)
- Evidence of proficiency in the language of instruction — English C1 (IELTS 7.0 / TOEFL iBT 95) or German C1 (TestDaF 4x4 / DSH-2), depending on the language of instruction
- Complete application documentation — transcripts, language certificate, CV and identity document

Career opportunities

- Development and design roles in technology-driven organisations
- Research and development in institutes and industry
- Project and systems responsibility in interdisciplinary teams
- Progression to master's or doctoral study

Contact and application

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