



BEng Computer Engineering

School of Computer Engineering & Electronics

Computer architecture, embedded systems and hardware/software integration.

Computer architecture, embedded systems and hardware/software integration. 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

- Programming
- Discrete Mathematics
- Digital Logic
- Foundations of Electronics

Semester 2

- Algorithms
- Computer Architecture
- Microprocessors
- Operating Systems

Semester 3

- Embedded Systems
- Computer Networks
- Databases
- Hardware/Software Integration

Semester 4

- Cybersecurity
- Cloud and Edge Computing
- Internet of Things
- Artificial Intelligence
- Engineering 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

Technische Universität Eisenfeld · Ludwigstraße 8 · 80539 München · Deutschland
+1 316 746 7386 · info@tueisenfeld.de · www.tueisenfeld.de