Discover the fascinating field of artificial intelligence and gain an in-depth understanding of intelligent models, systems, and algorithms. As a graduate of the Bachelor’s degree course Artificial Intelligence, you will be familiar with the mathematical and computer science fundamentals of artificial intelligence and have a research-oriented specialization in selected application areas. This gives you the perfect qualifications for a career in a dynamic and fast-growing industry.
In this interdisciplinary English-language degree program, students acquire fundamental knowledge in the fields of computer science, mathematics, and the ethical-philosophical contextualization of AI. These fundamentals are supplemented by various research- and application-oriented electives.
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Basic knowledge and methods are taught in the compulsory modules of the three basic areas:
Modules in the various compulsory elective areas enable students to supplement and deepen their specialist knowledge:
As part of the Bachelor’s thesis, students test their scientific working methods by independently working on and presenting a specific AI topic.
There are no predefined fields of study. Instead, students can follow their interests and choose individual specializations in various elective modules on research- and application-relevant aspects of AI.
FAU’s Faculty of Engineering has a wide range of expertise in the field of autonomous systems, robotics and artificial intelligence and thus offers diverse and interesting topics for university study and research or final theses. Practical insights and career opportunities: In the Nuremberg metropolitan region, and especially in Erlangen, there are many industrial companies that can provide insights into later working life while you are still studying, for example through internships or student traineeships. Companies such as Siemens, Schaeffler, Continental, Adidas, Diehl and many others have close links to the Faculty of Engineering.
The degree qualifies students to work as data scientists or software developers in the software industry and data-driven technology companies, as well as in other sectors in which artificial intelligence is used.
31.08.
Proof of English at least level B1+ (CEFR)
The application deadline for international applicants is July 15.
Cross-entry into higher semesters is not expected to be possible until winter semester 2025/26.
In addition to the general qualification for university entrance (Abitur), there are other access options for studying at FAU.
Our Student Advice and Career Service (IBZ) is the central point of contact for all questions about studying and starting a degree programme.
Our Student Service Centres and subject advisors support you in planning your studies.

Degree: Bachelor of Science (B.Sc.)
Duration of studies in semester: 6
Start of degree program: Winter semester
Study location: Erlangen
Number of students: 150-250

Subject group: Engineering sciences
Special ways to study: 1-subject Bachelor, International degree program, Part-time degree program
Teaching language: completely in English
Admission Requirements: Qualification assessment process (no NC)
Admission requirements (first semester): Qualification assessment process (no NC)
Admission requirements (higher semester): Admission not currently possible
Application deadline winter semester: 31.08.
German language skills for international applicants: No DSH, English (level B1+, CEFR)
General language skills: Proof of English at least level B1+ (CEFR)
Details and notes: The application deadline for international applicants is July 15.
Cross-entry into higher semesters is not expected to be possible until winter semester 2025/26.
In addition to the general qualification for university entrance (Abitur), there are other access options for studying at FAU.