Discover the fascinating field of autonomous systems and gain an in-depth understanding of systems in the Autonomy Technologies degree program! As a graduate, you'll be perfectly positioned for a career in a rapidly growing field. With modules in mathematics, electrical engineering, computer science, artificial intelligence and more, you can focus on one of four areas of specialization.
Autonomy Technologies offers a unique combination of engineering, computer science and artificial intelligence. Students acquire an in-depth understanding of systems in addition to a broad knowledge base of hardware and software components. Graduates of the program are competent engineers with perfect qualifications for a career in the rapidly growing field of autonomous systems.
The Bachelor's degree program provides the fundamentals to gain an understanding of autonomous technologies and develop autonomous systems.
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The program includes modules in mathematics, electrical engineering, mechatronics, signal theory and processing, systems theory and control engineering, computer science, numerics, simulation, and artificial intelligence.
For a deeper understanding, students choose one of four areas of specialization based on their acquired knowledge:
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 program qualifies students for jobs in various industries such as automotive, automation and robotics, communications, or industrial services.
31.08.
Proof of English at least level B2 (CEFR)
The application deadline for international applicants is July 15.
Cross-entry into higher semesters is not expected to be possible until winter semester 2024/25.
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: 1-50
Subject group: Engineering sciences
Special ways to study: 1-subject Bachelor, International 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 B2, CEFR)
General language skills: Proof of English at least level B2 (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 2024/25.
In addition to the general qualification for university entrance (Abitur), there are other access options for studying at FAU.