The challenging Master’s degree program Autonomy Technologies offers you the perfect prerequisites for a career in the fast-growing field of autonomous systems. Here you will not only acquire a broad knowledge base in engineering, computer science and artificial intelligence, but also a deep understanding of systems. With this in-depth knowledge, you will be well equipped to develop complex autonomous systems and work in various industries such as automotive, automation and robotics, communication services or industrial services.
Autonomy Technologies offers a unique combination of engineering, computer science and artificial intelligence. Students gain a broad knowledge base of hardware and software components and an in-depth understanding of systems. Graduates of the degree program are skilled engineers who are extremely well prepared for careers in the rapidly growing field of autonomous systems. The degree qualifies graduates for roles in different sectors of industry such as automotive, automation and robotics, communication services or industrial services.

The Master’s degree program provides graduates with the advanced knowledge and skills required to understand autonomy technologies and create autonomous systems. The research-oriented program focuses on the design and development of autonomous systems as one of today’s most relevant technological challenges and consists of compulsory and elective modules in two of the following four specializations: Human-System Interfaces, Networking & Collaboration, Planning & Control or Sensing & Perception. In addition, students obtain advanced knowledge in elective modules and seminars. Lab courses provide a practical perspective, which is supplemented by soft skills gained in a team project or an internship in industry. The program is completed by a Master’s thesis.
For a deeper understanding, students choose one of four areas of specialization based on their acquired knowledge:
The Faculty of Engineering at FAU has a wide range of expertise in the areas of autonomous systems, robotics and artificial intelligence and can therefore offer a variety of interesting topics for laboratory training, research and final theses.Placements and career options: In the Nuremberg Metropolitan Region, and in Erlangen in particular, there are many different industrial companies where students can complete placements or work as student trainees to gain an insight into future areas of work. Companies such as Siemens, Schaeffler, Continental, Adidas, Diehl and many others have close links to the Faculty of Engineering.
The degree qualifies students for roles in various sectors of industry such as automotive, automation and robotics, communications or industrial services.
15.07.
15.01.
FAU’s websites provide an overview of current application deadlines as well as information on the local selection process and how to apply.

no knowledge of German required
All applicants to the Master’s degree program in Autonomy Technologies have to pass a qualification assessment test in order to enroll in this program. This is to ensure that proficiency in the required prerequisites is at a level which will allow them to study successfully. The online test takes place twice during the application period. Applicants will get more information in good time.
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: Master of Science
Duration of studies in semester: 4
Start of degree program: Summer semester, Winter semester
Study location: Erlangen
Number of students: 1-50
Subject group: Engineering sciences
Special ways to study: International degree program
Teaching language: completely in English
Admission Requirements: Qualification assessment
Admission requirements (first semester): Qualification assessment
Application deadline winter semester: 15.07.
Application deadline summer semester: 15.01.
Content-related admission requirements: FAU’s websites provide an overview of current application deadlines as well as information on the local selection process and how to apply.
German language skills for international applicants: No DSH, English (level B2, CEFR)
General language skills: no knowledge of German required
Details and notes: All applicants to the Master’s degree program in Autonomy Technologies have to pass a qualification assessment test in order to enroll in this program. This is to ensure that proficiency in the required prerequisites is at a level which will allow them to study successfully. The online test takes place twice during the application period. Applicants will get more information in good time.