

## Dual Bachelor's program in Electrical and automation engineering with focus on industrial electronics

In the dual bachelor's program, you will learn the fundamentals of electrical engineering, mathematics, physics, and computer science. The focus is on designing and implementing communication-capable electronic systems, as well as on data acquisition, processing, output, and control.

In addition, you will receive practical training in analog and digital circuit technology, programming, communications and microcomputer technology, signal processing, as well as in biomedical engineering and device design.

You will also consider industrial feasibility, business aspects — such as costs and project implementation — as well as electrical and functional safety.

Through internships, which are part of the program, you will deepen your knowledge with concrete technical examples. The 12-week theoretical phases are followed by 12 weeks of practical training, during which you will apply what you have learned and become familiar with industrial processes and the associated tools.

### You need:

- Interest in science subjects, particularly physics and mathematics
- An aptitude for technical concepts
- Proficiency in using computers and modern software
- Good knowledge of German; English skills that can be developed
- Motivation, a drive to succeed, creativity, and team spirit; a sense of responsibility, reliability, and perseverance

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