COMPUTER SYSTEMS

A graduate of this study field achieves a complex education focused especially on practical applications within the scope of **electrical engineering**; in particular, on design and implementation of electronic devices and hardware, computer control systems (incl. embedded systems), industrial automation, or signal processing and multimedia. The students are trained in basic theoretical fundamentals, but mostly in **practically oriented knowledge**.

The inevitable obligatory courses are supplemented with **many optional courses** that allow the students to individually optimize their study plan according to their preferences. The study field offers education also in analogue and digital electronics, programming, sensors and measurements, signal and image processing, or control systems. The emphasis is put especially on **practical usability of the acquired knowledge**, however, the theoretical background allows the interested graduates to follow on in a subsequent Master-degree study of a similar orientation.

The students obtain basically an essential part of **technical knowledge**, supplemented with training in English language and in useful soft skills, such as presentation and communication or project management. An indispensable part of the study is a **work placement** (practical training experience), during which the students spend twelve weeks in a chosen company. The work placement helps the students in developing, enriching and verifying their **practical skills in real-life situations** and learning how to utilize their theoretical knowledge when solving a real problem.

Our graduates are **successful in obtaining a job career** in any company with automated production, in companies focused on design or reselling of electronic devices and embedded systems, in industrial automation or system integration, or in companies supplying computer and communication networks or in IT departments.