APPLIED COMPUTER SCIENCE

A graduate of this study field achieves a complex education **focused especially on practical applications** within the scope of computer science and informatics; in particular, on design and implementation of desktop and web applications, software engineering, or IT and network systems. The study field offers education also in basic theory related to the electrical engineering. During the entire study, the students are trained in basic theoretical fundamentals, but a strong effort is made to show the practical importance of the studied theory.

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 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 comunication, project management or economics and law basics. 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 dealing with computer hardware and/or software, in companies supplying computer and communication networks, or in IT departments of industrial companies and in public sector.