Bachelor degree programme

ELECTRONICS AND COMPUTER ENGINEERING

ELECTRONICS › INFORMATICS › INTEGRATED CIRCUITS › MICROCONTROLLERS › PROGRAMMING › CONTROL ENGINEERING › SIGNAL PROCESSING › TELECOMMUNICATIONS › AUTOMATION › MOBILITY

This degree programme offers students some of the most advanced training in Austria. Throughout the course students gain hands-on experience in the use of state-of-the-art technologies. They acquire a sound basic and practical knowledge of the subject area, and undertake many exciting projects. The curriculum includes laboratory practicals and project work from the first semester onwards. The programme is taught in small, supervised groups, and in close cooperation with business and industry. The curriculum focuses on electronic systems and how to programme them.

A practical approach is taken to learning based on current developments including driverless cars and Industry 4.0. In addition to application-oriented technical knowledge, our students also learn methodology and acquire social skills. Courses in business, law, management and languages ensure our students are ideally equipped with the skills demanded by industry.

Austrian pupils graduating from technical secondary schools (HTL) with relevant subject specialisms may join the degree programme in the second semester, after having completed their compulsory military or civil service. We would be delighted to provide more information and details about this option.

"The degree programme provides us students with a broad range of knowledge, enabling us to find work in the various fields of the electronics industry. The numerous exercises completed during the course provide an introduction to some of the aspects of our future professional life."

Christoph Müller, Student

FACTS

- Bachelor of Science in Engineering (BSc)
- Full-time
- 6 semesters / 180 ECTS
- 20 places per year
- Language of instruction: German
- Head of Degree Programme:
  Priv.-Doz. DI Dr. Christian Vogel
- FH JOANNEUM Graz

www.fh-joanneum.at/ece

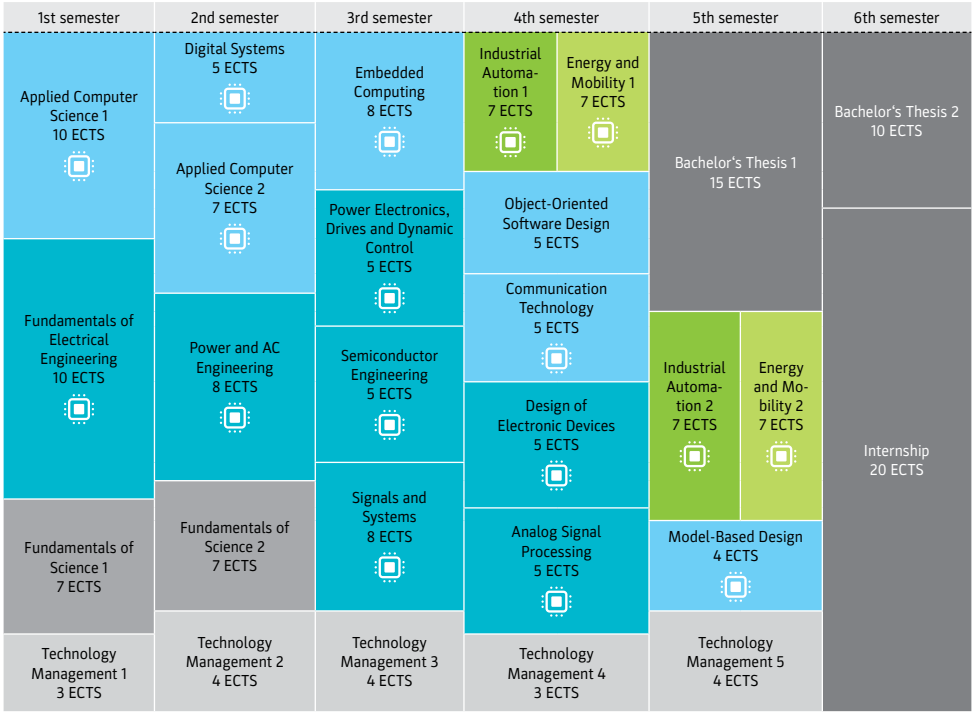
CAREER PROSPECTS

After completing the bachelor degree programme, our graduates can undertake a master degree programme, e.g. in Advanced Electronic Engineering, or else start out on their professional career. The interplay between electronics and computer sciences is the key technology of the future. This opens up many careers for our graduates with attractive local and international employers. Fields in which our graduates prove their worth include the electronics and automotive industries, telecommunications, automation and medical technologies.

"The main reasons for choosing this degree programme were the chance to obtain practical training as well as the modern labs. The combination of study and practical work lead to some interesting projects with a personal level of supervision at FH JOANNEUM."

Bertram Winter, BSc, Graduate, currently studying on the master degree programme in Advanced Electronic Engineering

CURRICULUM: 180 ECTS (30 ECTS per semester)



Courses with strong focus on lab exercises