WELCOME TO THE REGENSBURG UNIVERSITY OF APPLIED SCIENCES!

Congratulations! Your secondary school qualifications open up a wealth of opportunities for undergraduate study. Only you can decide which particular course of study is right for you, and information about the courses offered at the Regensburg University of Applied Sciences should make your choice easier. However there is no substitute for a personal interview, and you are warmly invited to come and talk to our faculty staff on campus.

You can be confident that the Regensburg University of Applied Sciences, with its excellent reputation both in Germany and internationally, will provide the right environment for your studies. And your first visit of discovery should convince you how lovely Regensburg is. I would be delighted to welcome you here as a new student!

Prof. Dr. Josef Eckstein
President of the Regensburg University of Applied Sciences
DEAR PROSPECTIVE STUDENTS

Do you want to help shape the future? Do you enjoy working with others to find innovative solutions to technical problems? Are you looking for a profession that offers excellent prospects in a wide range of fascinating fields? If so, our Bachelor degree course in Technical Computer Science is right for you!

The impact of information and communications technology on everyday social and business contexts grows constantly. These days, one or more computer systems are at work in virtually every technical device. A modern mid-class car already has more computing power than a mainframe of the Nineties. Software’s share of value-added in technical systems is still growing rapidly, so the demand for technical competence will continue to be strong in future.

Our accredited B.Sc. course in Technical Computer Science will prepare you well for your future tasks. You can also go on to study for an M.Sc. in Computer Science in a further three semesters, opening even more doors to career opportunities! You can be confident of making the right choice!

Prof. Dr. Markus Kucera
Dean of the Faculty of Computer Science and Mathematics

STUDY OBJECTIVES

The aim of technical computer science is „to equip technical systems with intelligence“. You will be part of a team designing the architecture and function of such systems, writing the specifications for the software solutions that must be developed, and implementing them accordingly. To tackle these tasks you will need a sound knowledge of the structure and operation of computer systems and a deep understanding of technology. We help you by imparting a solid knowledge base in computer science and mathematics, technical systems and electrical engineering, as well as soft skills and business studies.

You will also have an opportunity to specialise in fields such as computer architecture, signal processing and computer networking, embedded systems and real-time systems.

COURSE STRUCTURE

Courses of study at Regensburg University of Applied Sciences have a high practical content, with almost every subject offering hands-on experience in small groups. The B.Sc. course comprises a total of seven semesters over three study periods: The first two semesters are used to impart fundamental knowledge and orientation. In the next three semesters, students broaden the knowledge they have acquired, and gather practical experience off-campus. You will then have the opportunity to specialise in the two final semesters, and will complete the course by preparing your Bachelor’s dissertation. Even in the Bachelor degree course you can determine much of the study content yourself according to your preferences. And in a subsequent M.Sc. in Computer Science you have an opportunity to pursue your personal study objectives with an appropriate choice of options.

YOUR FUTURE CAREER

The career opportunities to which a degree in Technical Computer Science can lead are many and varied. Our graduates find openings in the following typical sectors of industry:

- Automotive
- Aerospace
- Telecommunications
- Environmental engineering
- Plant engineering
- Medical technology
- Semiconductors
- Computer industry

For many years now we have worked in close mutual partnership with many companies in these sectors, the majority of which are also based in our region.

STUDYING IN REGENSBURG

With its five B.Sc. and two M.Sc. degree courses, the Faculty of Computer Science and Mathematics offers an above-average number of elective subjects and a versatile and well equipped laboratory environment. Our partnerships with many universities of applied sciences around the world easily enable students to spend part of their course abroad and gather valuable international experience.

WHAT WE EXPECT FROM YOU…

In addition to meeting our entrance requirements, a willingness to work in a multidisciplinary environment and an interest in life-long learning are essential prerequisites. You should also enjoy solving technical problems and working with different computer systems.

PLEASE ASK FOR MORE INFORMATION