



HOCHSCHULE
REGENSBURG
UNIVERSITY
OF APPLIED
SCIENCES

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!

W. Baier

Prof. Dr. Wolfgang Baier
President of the Regensburg University
of Applied Sciences

Studying in Regensburg.

Degree Course in Medical Information Technology Bachelor of Science (B. Sc.)

Entrance requirements:

'Fachhochschulreife' (qualification for entrance to universities of applied science), 'fachgebundene oder allgemeine Hochschulreife' (subject-linked or general qualification for university entrance)

Deadline for applications: 15 July

Course commences: 1 October

Academic counsellor:

Prof. Dr. Christoph Palm
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PD. Dr. Michael Reng
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Contact:

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pictures: H.S.R., courtesy of university hospital Regensburg – November 2012

BACHELOR

Medical Information Technology



FACULTY OF COMPUTER SCIENCE/MATHEMATICS



Unique in Bavaria, rare in Germany: Bachelor degree course in Medical Information Technology

DEAR PROSPECTIVE STUDENTS

This degree course – unique in Bavaria – is offered by the Regensburg University of Applied Sciences in close collaboration with the Faculty of Medicine and the University Hospital Regensburg. The course is designed to provide practice-based tuition in which you are familiarised with the typical procedures applied in hospitals and integrated supply structures. You will experience at first hand how modern information technology is used in the interest of the patient's well-being and the optimal use of resources, and will help shape applications in small-scale projects as part of the degree programme.

As a graduate you will have excellent career prospects: IT specialists in medical information technology are found not just in all branches of health care but also in software development for applications of medical technology and hospital information systems, a sector with one of the highest growth rates in Germany.

And when you have gained your B.Sc., why not go on to study for a Master's degree in Computer Science at the Regensburg University of Applied Sciences – the choice is yours!

The decision to study for a B.Sc. in Medical Information Technology is one you will not regret!

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

Prof. Dr. Dr. Torsten E. Reichert
Dean of the Medical Faculty

STUDY OBJECTIVES

The task of a computer scientist is to identify and analyse problems and to build models and develop solutions. To do this they must both master the methods of computer science and possess a sound knowledge in their particular field of application.

The B.Sc. course in Medical Information Technology is the ideal preparation for these challenges, imparting a thorough knowledge base in computer sciences, mathematics, business studies and medicine – the four pillars of medical information technology. It also enables students to acquire soft skills such as presentational techniques and rhetoric as well as foreign languages.

STUDY CONTENT: FOCUS ON MEDICINE

From the very outset of this course, the focus is on medicine as an IT application field. Students begin to acquire basic medical knowledge at an early stage, so they can work together with specialists in health care, research establishments and commercial institutions.

The course covers topics such as:

- The healthy and the unhealthy person: structure and function of the human body; understanding and using technical terms; knowledge of the most common population-based diseases, their causes, symptoms, treatment strategies and prevention.
- Health systems: the structure of the German health system; legal and economic principles, documentation and communication.

- The hospital as an organisation: business administration and quality management, strategic and tactical management, controlling, process costing and accounting.
- Methods of medical information technology: tasks, roles and requirements of medical information technology within the health service.

AN APPLIED APPROACH

The course is rooted in reality thanks to

- Practical courses at the University Hospital,
- The use of the latest software tools,
- Examples from everyday practice,
- A placement semester, and
- Bachelor dissertations in conjunction with hospitals, medical practices and companies.

WHAT WE EXPECT FROM YOU...

A desire to work across multiple disciplines is an essential prerequisite. You will also need 'staying power' and the will to explore two different worlds. These are the most important requirements for success in the study of medical information technology.

PLEASE ASK FOR MORE INFORMATION

