

Branch: Computer Engineering



Code: BIOINF

Option: Biomedical Informatics

Level: Master

Prerequisites:

Opportunities:

A master's degree in biomedical informatics qualifies graduates for a range of exciting careers in research institutes or industry, in both theoretical and application-oriented fields.

Description:

The Master of Science in Biomedical Informatics combines informatics with biology and medicine. Its aim is to improve the diagnostic and treatment possibilities of medicine through innovative software solutions and graphical methods. The target language is English. What is going on in this study?

Computer-aided medical imaging technology plays a crucial role in modern clinical environments, as medical diagnosis and treatment are increasingly supported by imaging procedures. Consequently, there is a growing demand for specialists in this field, which lies at the intersection of informatics and medicine. The dynamic field of biomedical informatics therefore combines computer science with aspects of biology and medicine. A master's degree in biomedical informatics qualifies graduates for a range of exciting careers in research institutes or industry, in both theoretical and application-oriented fields.

Quality and competences:

The program bridges the gap between computer science and medicine, focusing on software and imaging solutions for computer-aided medical procedures. As a graduate, you will have acquired key skills in the areas of medical data acquisition and management, medical ontologies and medical imaging physics, medical image processing, visualization, advanced user interfaces and computer-aided medical solutions. The compulsory clinical project and medicine courses, taught and led by experts from the UUT Medical School, will give you a unique understanding of medical problems in imaging, interventions and diagnosis. In addition, the program is designed to allow students to create their own unique academic profile from the wide range of modules offered by UUT's Department of Computer Science.