Your personal contact:

Ms. Antonia Mork
Study Course Coordinator

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www.master-applied-health-informatics.com
**Course Concept**

The course offers medical and computer scientists the opportunity to become highly qualified specialists in applied health informatics & digital medicine.

- Extra-occupational
- Digital teaching and learning
- Academic and practical training
- Blended learning concept
- Short attendance blocks
- Limited time away from home & work

Learn how to collect, analyze, and use medical data to improve health care, shape digitized health care processes, and open up a wide range of career opportunities in an interdisciplinary work environment.

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**Admission Requirements**

- First academic degree, e.g. Bachelor of Science in computer Science, mathematics, life sciences or a completed medical degree
- A minimum of one year of working experience at the interface of medicine and computer science
- English language proficiency (level B2)

Scientific Director of the M.Sc. Applied Health Informatics & Digital Medicine
Prof. Dr. Rainer Röhrig

**Application Process – fully digital via RWTHonline: https://online.rwth-aachen.de**

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**Course Structure**

- **1st Semester**
  - Fundamentals of Algorithms, Data Structures and Programming
  - Fundamentals of Medicine
- **2nd Semester**
  - Biostatistics and Epidemiology
  - Data Management and Data Science
- **3rd Semester**
  - Data Integration and Interoperability
  - Evidence-based Medicine, Knowledge Representation and Decision Support
  - Bioinformatics
  - Digital Health Applications and Digital Health Services
  - Prediction Analytics and Machine Learning
  - Telehealth and Telemedicine
  - Innovation Management in Healthcare
  - Business Administration and Health Economics
- **4th Semester**
  - Master Thesis

Complementary Introduction (Choose 1)

Compulsory Modules

Elective Modules (Choose 4)

Project Work