Master of Science in Medical Informatics
Do you want to make a difference in healthcare? Our programme can help you just do that.

With hands-on training in data analytics, machine learning and more, you'll gain the skills to revolutionize the field and improve patient care.

The MSc programme, conducted in English, offers a comprehensive training in **cutting-edge medical and pharmaceutical industry technologies**. Medical Informatics plays a crucial role in healthcare, combining medicine, computer science, data science and AI to optimize healthcare data acquisition, storage, retrieval, and most importantly, applications.

The programme enables students to use technology to support healthcare professionals' decision-making, **improve patient outcomes, and enhance the quality and efficiency of healthcare delivery**. Students explore a wide range of key Medical informatics data applications, including patient records, medical imaging, genetic information, wearable devices and patient generated data.

Thanks to hands-on experience and internships, students have the opportunity to apply their knowledge and develop software solutions for hospitals and the pharmaceutical industry.

Graduates from the programme can make a vital contribution to advancements in computer assisted diagnosis, data exploration and privacy-ethical discussions and other emerging fields in the medical and pharmaceutical sectors.

Located near Basel, a worldwide hub for the healthcare and pharmaceutical industries**, the programme offers outstanding job prospects**, with numerous leading providers in the area actively participating in the programme. Graduates benefit from proximity to industry professionals, excellent networking opportunities and access to the latest developments in this innovative and exciting field.

www.fhnw.ch/lifesciences/master-medical-informatics

Some of the areas covered during the Master's programme in Medical Informatics
- Medical data science
- Machine learning in medicine
- Digital transformation in healthcare
- Medical software development
- Digital biomarkers
- Applied quantum computing
- Artificial intelligence in drug discovery
- Cyber security and cyber resilience
- Business intelligence
- Knowledge processing and decision making

Target Group

The Master's programme of Medical Informatics is aimed at students with a Bachelor's degree in life sciences, health sciences or doctor in medicine, computer science, information systems or who have an equivalent educational background and professional experience (college or university degree).

Degree
Master of Science in Medical Informatics FHNW.

Dates
The master's programme begins in the autumn semester (calendar week 38)

Location
Fachhochschule Nordwestschweiz
School of Life Sciences
Hofackestrasse 30
CH-4132 Muttenz

Costs
Application fee: CHF 200.-
Tuition fees: CHF 700.- per semester (Swiss, Liechtenstein), CHF 1000.- (EU), otherwise CHF 5000.-
A fee of CHF 100 per semester is also charged for materials and licences.

Programme Head
Dr. Uri Nahum
uri.nahum@fhnw.ch
+41 61 228 61 93

Co-Head
Prof. Dr. Hans Friedrich Witschel
hansfriedrich.witschel@fhnw.ch
+41 62 957 24 69

Further Information
www.fhnw.ch/lifesciences/master-medical-informatics

Registration
The deadline for applications for the autumn semester is 30 April of the relevant year.
www.fhnw.ch/en/degree-programmes/lifesciences/master/application-msc-medical-informatics

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