**Master Thesis in Medical Informatics**

<table>
<thead>
<tr>
<th>Group A</th>
<th>Group B</th>
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| - Digital Biomarkers  
- Applied Quantum Computing  
- Clinical Development and Regulatory Affairs  
- Innovation Trends in Medical Informatics  
- Artificial Intelligence in Drug Discovery  
- Machine Learning in Medicine  
- Medicine and informatics  
- Clinical Decision Support Systems  
- Independent Learning*  
- Project | - Healthcare Entrepreneurship  
- Data Science  
- User-Centered Design and Design Thinking  
- Cyber Security and Cyber Resilience  
- Knowledge Processing and Decision Making  
- Business Intelligence  
- Applied Computational Intelligence  
- Compliance Management and Governance of IT |

**Minimum 4 courses from group A**

- Medical Data Science  
- Digital Transformation in Healthcare  
- Medical Software Development

**Maximum 4 courses from group B**

- Digitalization of Business Process in Healthcare

**Core**

- Pre-Courses

- Life Sciences & Math  
- Programming

- Business information systems

*A course from the master of Life Sciences or Biomedical Engineering as MI module, require the approval of dean.*