# Curriculum

| CORE AREA IMAGING, IT & HARDWARE | 1 | 2 | 3 | 4 |
|---|---|---|---|---|
| App Development for Medical Technologies | 4 \| 5 | | | |
| Advanced Data Analysis & Artificial Intelligence | | 4 \| 5 | | |
| Sensors & Actuators in Medicine | 3 \| 5 | | | |
| Medical Robotics | | 3 \| 5 | | |
| Advanced Biomechanics | | | 3 \| 5 | |
| Virtual & Augmented Reality | | | 4 \| 5 | |
| Advanced Image & Data Processing | | | 4 \| 5 | |

| PROJECT | 1 | 2 | 3 | 4 |
|---|---|---|---|---|
| Student Project – Concept | | 2 \| 5 | | |
| Student Project – Design & Realization | | | 4 \| 10 | |

| MEDICAL ENGINEERING & CURRENT RESEARCH | 1 | 2 | 3 | 4 |
|---|---|---|---|---|
| Individualized & Image Guided Medicine | 4 \| 5 | | | |
| Rehabilitation & Assisted Living | 3 \| 5 | | | |
| Product Development, Testing & Approval | 4 \| 5 | | | |
| Advanced Computational Modelling & Simulation | | 3 \| 5 | | |
| Medical Device Safety & Clinical Trials | | 4 \| 5 | | |
| Current Research Areas in MedTech | | | 4 \| 5 | |

| MANAGEMENT & ENTREPRENEURSHIP | 1 | 2 | 3 | 4 |
|---|---|---|---|---|
| Leadership & Life Cycle Management | 4 \| 5 | | | |
| Entrepreneurship, Innovation Strategy & Business Models | | 4 \| 5 | | |

| THESIS & FINAL EXAM | 1 | 2 | 3 | 4 |
|---|---|---|---|---|
| Master Seminar | | | | 4 \| 5 |
| Master Thesis | | | | 0 \| 23 |
| Master Exam | | | | 0 \| 2 |

| SEMESTER CREDIT UNITS \| **ECTS-CREDITS** | 22 \| 30 | 20 \| 30 | 19 \| 30 | 4 \| 30 |
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