

Curriculum

Medical Engineering and Analytics

Master | Work-friendly | HyFlex

1 st Semester	ECTS
Ambient Assisted Living 1	5
Introduction to Machine Learning	5
Applied Medical Signal Analysis	5
Academic Skills	5
Statistics	5
Project (I) Prerequisites and Project Domains	5
Total	30

3 rd Semester	ECTS
Studies in Biomedical Engineering	5
Deep Learning in Medical Applications	5
Artificial intelligence in Clinical Imaging	5
Entrepreneurship	5
Neuroscience	5
Project (III) Practical Implementation	5
Total	30

2 nd Semester	ECTS
Ambient Assisted Living 2	5
Data Analytics and Neural Networks	5
Applied Medical Image Analysis	5
Augmented Visualization in Medicine	5
Smart Medical Production and Robotics	5
Project (II) Frameworks and Concept Study	5
Total	30

4 th Semester	ECTS
Master Thesis	25
Master Seminar	2
Master Exam	3
Total	30
Total Sum	120

ECTS = European Credit Transfer System