

# Curriculum

## 1<sup>st</sup> year of studies

1 <sup>st</sup> semester	ECTS
Digital Healthcare Project Ideation and Management	6
Innovation in Healthcare	2
User Centered Design and Experience	2
Healthcare System and Management	2
Database Systems and Modelling	3
Process Modelling and System Design	2
Research Methodology	3
<b>Fundamentals in Healthcare Technology<sup>1</sup></b>	
Media Technology and Programming	5
<b>Fundamentals in Medical Issues<sup>1</sup></b>	
Anatomy and Physiology	5
<b>Specialisation Healthcare Technology Development<sup>2</sup></b>	
Web Programming and Technologies	5
<b>Specialisation Healthcare Technology Assessment<sup>2</sup></b>	
Media-Assisted Health Pedagogics	5

2 <sup>nd</sup> Semester	ECTS
Digital Healthcare Project Prototyping	6
Health Law and Patient Rights	2
Presentation and Dissemination	2
Measurement and Analytics in Healthcare	3
Health-IT Systems	2
<b>Fundamentals in Healthcare Technology<sup>1</sup></b>	
Applied AI in Healthcare	4
Augmented and Virtual Reality in Healthcare	2
Data Visualization in Healthcare	4
<b>Fundamentals in Medical Issues<sup>1</sup></b>	
Pathology	4
Interprofessionalism in Primary Healthcare	2
Prevention and Rehabilitation	4
<b>Specialisation Healthcare Technology Development<sup>2</sup></b>	
Sensor and Feedback Systems	5
<b>Specialisation Healthcare Technology Assessment<sup>2</sup></b>	
Applied Measurement and Analytics	5

## 2<sup>nd</sup> year of studies

3 <sup>rd</sup> semester	ECTS
Digital Healthcare Project Evaluation	10
Personalized Medicine and Telecare	2
Public Health and Health Behavior	3
Applied Statistics and Data Analytics	4
Cyber Resilience and IT Security	2
Electronic Health Records	2
Emerging Health Technologies	2
<b>Specialisation Healthcare Technology Development<sup>2</sup></b>	
Scenarios in Health Technology Development	5
<b>Specialisation Healthcare Technology Assessment<sup>2</sup></b>	
Scenarios in Health Technology Assessment	5

4 <sup>th</sup> Semester	ECTS
Master Thesis and Master Seminar	23
Master Exam	2
Entrepreneurship in Digital Health	2
Human Resource Management and Recruiting	2
Quality Management in Healthcare	1

<sup>1</sup> Acquisition of basic knowledge in the other focal area: Students with a technical background learn fundamentals in medical issues while students with a healthcare background attend courses on fundamentals in healthcare technology.

<sup>2</sup> Students can choose freely between the two specialisations.