





HEALTH CARE IT

MASTER | WORK-FRIENDLY SCHEDULE


 **Location:** Campus Klagenfurt
Primoschgasse 8-10, 9020 Klagenfurt


 **Duration:** 4 semesters

 **Schedule:**
work friendly, schedule to prior agreement

 **Academic Degree:**
Master of Science in Engineering (MSc)

 **ECTS Credits:** 120

 **Language:** English

 **Study places per year:** 20



The Master degree study program 'Health Care IT' addresses two important components that will fundamentally and sustainably shape the future of the current health system. This is particularly the use of artificial intelligence, which can support the process of assessing a diagnosis and the evaluation of imaging data, and it may also affect many other sectors that we are not even thinking about at the moment. Another important point that will affect the current health system is the aging of the population as a result of demographic change.

COURSE INFORMATION

This master degree program focuses on these technical aspects of Health Care IT, by providing a specific education in deep learning and clinical data analysis as well as in 3D printing and robotics. Active and Assisted Living is another core element of the program that enables students to face the future challenges of the aging society today. Additional to theoretical input, students receive hands-on training in specialized laboratories. Small groups, personal support and mentoring, and an open door policy for all professors is a top priority. Since internationalization is an important aspect of modern education, students are encouraged to go for an internship abroad and supported in joint projects with our research partners.

JOBS AND CAREERS

The Master of Science "Health Care IT" degree program is designed to educate and train highly qualified specialists in the areas of new health technologies and data intelligence. Graduates have a therefore a wide spectrum of excellent and exciting career opportunities in fields such as:

- Research and Development
- Hospital Information Technology
- Software Development and Consulting
- Active and Assisted Living
- Biomedical Engineering / Medical Device Development
- Medical Image Processing

CURRICULUM

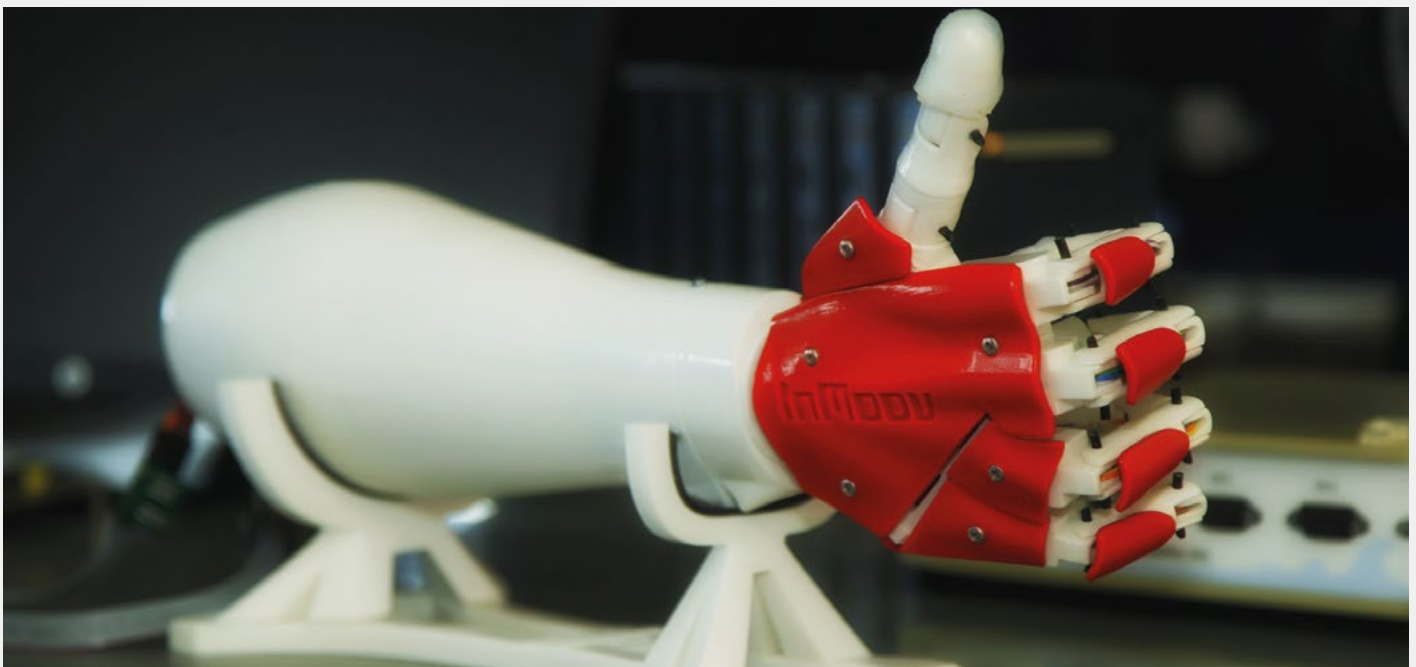
Schwerpunkte

Health- and Assistive Technolog	Artificial Intelligence	Medical Technology & Analysis	Fundamentals and Professional Skills	Medical Application and Visualization	Project	Master Thesis
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ECTS

Semester	ECTS																													
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
1.	Active Assisted Living 1				Introduction to Machine Learning						Applied Medical Signal Analysis					Academic Skills					Statistics					Project (I) Prerequisites and Project Domains				
2.	Active Assisted Living 2				Artificial Neural Networks & Deep Learning						Applied Medical Image Analysis					Augmented Visualization in Medicine					Smart Medical Production and Robotics					Project (II) Frameworks and Concept Study				
3.	Studies in Biomedical Engineering				Artificial Neural Networks & Deep Learning						Artificial intelligence in Clinical Imaging					Entrepreneurship					Neuroscience					Project (III) Practical Implementation				
4.	Master Thesis																									Master Seminar			Master Exam	

ECTS = European Credit Transfer System



📅 DATES

Start: October 2021

Study Info Lounge: always on the second Tuesday of the month from 2 to 6 o'clock p.m. - ONLINE

FH Days and information events:

all dates at www.fh-kaernten.at/fhday

💶 COSTS

Tuition fee: € 363,36 per semester

Student Union Fee: around € 20, annual adjustment

✉ CONTACT

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