



Master of Science in

Digital Health

Highly qualified for
management roles at
the interface between
IT and medicine





Master's Program with Excellent Career Prospects

The progressive digitalization of the medical field will continue to dramatically alter the health care landscape in the years to come. Technical innovations in the fields of hardware and software will allow more personalized prevention, more precise diagnoses, and more tailored therapies - which will mean better healthcare and lower costs in the long run.

The interdisciplinary English-language master's program in digital health is aimed at computer science and medical students who want to work as highly qualified experts in the health sector, at the interface between IT, computer science, and medicine.

The Digital Health master's program covers the basic concepts and methods of IT systems engineering and data engineering, and the basics of medicine, as well as providing an understanding of different healthcare systems.

Course Content

The Master of Science in Digital Health is a four-semester program at the Faculty of Digital Engineering, a faculty jointly founded by the Hasso Plattner Institute (HPI) and the University of Potsdam.

During their studies, students acquire the skills to analyze, design, and implement complex and secure

IT systems and infrastructures in the healthcare field. They further deal with ethical and legal issues of relevance to the design of health systems.

Along with an excellent professional education in IT systems engineering, HPI places great importance on teaching the interdisciplinary professional skills that play a vital role in the successful management of large networked IT projects.

In addition, entrepreneurship topics and the innovation method of Design Thinking are an integral part of the curriculum.

Master's graduates can apply their interdisciplinary skills to leadership roles in research or industry in a variety of ways. The healthcare and health management sectors offer exciting and "future-proof" career perspectives for graduates.

Everything at a Glance

Program Overview

Title	Digital Health
Degree	Master of Science
Standard length of studies	4 semesters
Credits	120
Language of instruction	English (C1)
Start of studies	Winter semester
Application deadline	June 1st

Compulsory Modules

- Health Systems and Sciences for Digital Health
- Software Architectures for Digital Health
- Digital Health Business and Process Transformation
- Ethics, Law, and Compliance for Digital Health
- Digital Health Project Lab
- Master thesis

Specialization Areas

- Scalable Computing Algorithms for Digital Health
- Digitalization of Clinical and Research Process
- Acquisition, Processing, and Analysis of Health Data
- Health Data Security

Bridge Module

To supplement any missing knowledge, a student may be required to complete one or two bridge modules depending on his or her specific background.

With the master's program, there is a degree of flexibility in how students organize their timetable. Students are free to choose their areas of specialization from a broad range of subjects.

www.hpi.de/en/digital-health

Why study at HPI?

Study programs at the Faculty of Digital Engineering jointly founded by the Hasso Plattner Institute (HPI) and the University of Potsdam have a strong practical focus. HPI has always held a top spot in the CHE University Ranking in Germany. HPI unites research and teaching at its new Digital Health Center. The private funding of the Institute by the co-founder of SAP Hasso Plattner has made it possible to create an optimal study and work environment. At HPI, students learn in small groups with the close support of their professors, lecturers, and teaching assistants. State-of-the-art computer technology, attractive seminar rooms, and a well-equipped campus mean that student life at HPI is easy and enjoyable.

There are many opportunities for a semester abroad as well as for internships. You are enrolled at the University of Potsdam and your degree is conferred by this university. You do not need to pay tuition fees.



Application and Enrollment

If you have any questions about studying at HPI, you may wish to refer to our info pages and student information:

www.hpi.de/studium

www.hpi.de/studienberatung

www.hpi.de/bewerbung



Contact

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