

# Master of Science in Health and Medical Data Analytics (HMDA)

## About EIT Health

EIT Health is a network of best-in-class health innovators backed by the EU. We collaborate across borders to deliver new solutions that can enable European citizens to live longer and healthier lives.

## About EIT Health Campus

EIT Health Campus connects all relevant healthcare players across European borders – making sure to include all sides of the “knowledge triangle”, so that innovation can happen at the intersection of research, education and business for the benefit of the citizens.

## Degree Programmes

Through the degree programmes activity line, EIT Health Campus develops and supports pan-European Master and Doctoral programmes that deliver innovation and entrepreneurship skills in areas relevant to EIT Health.

### MSc HMDA

The Master in Health and Medical Data Analytics (MSc HMDA) is a two-year programme that offers a robust education in healthcare data analytics and entrepreneurship. After experiencing innovative pedagogy, a semester abroad, and internships, graduates will have a unique multidisciplinary profile: They will be trained as computer scientists, with skills in data analytics for health applications and an understanding of how to exploit this knowledge from a business perspective.

## Programme Structure

The Master of Science in Health and Medical Data Analytics prepares students to succeed in an emerging field at the intersection of health informatics, data science and digitisation. The curriculum offered by four top European universities with expertise in these fields addresses a spectrum of analytics, including data acquisition from traditional and emerging data streams, data aggregation methods, data mining algorithms, and visualisation techniques, all with a focus on health and healthcare. Students follow courses in innovation and entrepreneurship to develop an understanding of ideation and business creation. They also gain practical experience by completing internships at academic, healthcare, and industry partners at each of the participating universities. The programme provides students with innovation and business skills in addition to their studies in medical data analytics. We teach students how to convert academic knowledge into a concrete business product or service, e.g. an app that helps patients to cope better with their disease or a database that helps hospitals provide better service to patients.

Students learn how to identify market needs, come up with a technical solution for them and turn innovative ideas into real business opportunities. Our graduates possess the business skills to create their own start-up or work in the innovation department of companies.

## What we offer to students

The programme connects students with medtech companies and hospitals early on in their studies – through teachers with an industry background, business collaborations in practical projects and a Master's thesis supervised by an academic and non-academic medtech expert. Being part of the EIT Health network means access to the biggest medtech network in Europe and opportunities for funding business ideas through the Accelerator and Innovation Projects programmes.

## For more info, contact

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## PARTNERS IN THE PROJECT



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