## 1st Semester

- 1x 5 CP — Fundamentals of Programming for Data Sciences
  - ↑↓ Choose 1 option
  - Fundamentals of Medicine
- 5 CP — Propedeutics of Health Informatics and Digital Transformation
- 5 CP — Applied Software Engineering
- 5 CP — Architecture and Management of Information Systems and Data Centers

## 2nd Semester

- 5 CP — Biostatistics and Epidemiology
- 5 CP — Data Management and Data Science
- 5 CP — Ethical, Legal & Social Dimensions of Biomedical Informatics
- 10 CP — Project Work

## 3rd Semester

- 4x 5 CP — ↓↓ Choose 4 options
  - Data Integration and Interoperability
  - Evidence-based Medicine, Knowledge Representation and Decision Support
  - Bioinformatics
  - Digital Health Applications and Digital Health Services
  - Predictive Analytics and Machine Learning
  - Signal & Image Processing
  - Telehealth and Telemedicine

## 4th Semester

- 25 CP — Master Thesis

Complementary Introduction
Compulsory Modules
Elective Modules
Project Work