

MASTER'S IN DIGITAL SKILLS FOR HEALTH

The master's degree in digital health skills allows training in two distinct areas (tracks):

- T1 - Specialization in Health Data
- T2 - Specialization in Technologies for Digital Health

Curricular Plan:

Core Courses for NOVA FCT Semester I - Common to tracks T1 and T2

Curricular Unit	ECTS	Type
Ethical, legal and social aspects in digital health	6.0	Compulsory
Biostatistics	6.0	Compulsory
Computational Numerical Statistics	3.0	Compulsory
Organisations and Health Services Administration (OHSA)	6.0	Compulsory for students with basic training in health
Programming for Science and Engineering	6.0	Compulsory for students with basic training in engineering
Human Anatomy	6.0	Compulsory
Entrepreneurship	3.0	Compulsory

Semester II - Curricular units T1

Curricular Unit	ECTS	Type
Clinical Decision Support Systems	6.0	Compulsory
Unrestricted Elective (Curricular Unit)	6.0	Compulsory
Epidemiology	6.0	Compulsory
Visualization and Data Analytics	6.0	Compulsory
Data Acquisition Systems	6.0	<i>Elective</i>
Human Physiology	6.0	<i>Elective</i>
Cyber-Physical Systems Integration	6.0	<i>Elective</i>
Bayesian Methods	6.0	<i>Elective</i>
Epidemiological Surveillance	6.0	<i>Elective</i>
Biomedical Signal Analysis	3.0	<i>Elective</i>
Artificial Intelligence Techniques for Biology	3.0	<i>Elective</i>

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Semester II - Curricular units T2

Curricular Unit	ECTS	Type
Clinical Decision Support Systems	6.0	Compulsory
Unrestricted Elective (Curricular Unit)	6.0	Compulsory
Applied Computational Multi-Omics	6.0	Compulsory
Data Acquisition Systems	6.0	Compulsory
Visualization and Data Analytics	6.0	<i>Elective</i>
Human Physiology	6.0	<i>Elective</i>
Cyber-Physical Systems Integration	6.0	<i>Elective</i>
Digital Systems Development and Testing	6.0	<i>Elective</i>
Health Policy and Systems	6.0	<i>Elective</i>
Digital Instrumentation	6.0	<i>Elective</i>

Semester III - Curricular units T1

Curricular Unit	ECTS	Type
Big Data in Health Sciences and Technologies	6.0	Compulsory
Advanced Programming for Data Science and Engineering	6.0	Compulsory
Biomedicine, Biosafety and Bioethics	6.0	<i>Elective</i>
Forecasting Techniques	6.0	<i>Elective</i>
Multivariate Statistics	6.0	<i>Elective</i>
National and European Legislation on the Use of Data	6.0	<i>Elective</i>
Personalized Medicine and Digital Public Health	6.0	<i>Elective</i>
Data Modelling	6.0	<i>Elective</i>

Semester III - Curricular units T2

Curricular Unit	ECTS	Type
Sensorial Systems	6.0	Compulsory
Medical Imaging Techniques	6.0	Compulsory
Biomedicine, Biosafety and Bioethics	6.0	<i>Elective</i>
Forecasting Techniques	6.0	<i>Elective</i>
Architectures for Systems Integration	6.0	<i>Elective</i>
Health Technology Assessment and Applications to Digital Health	6.0	<i>Elective</i>
Medical Devices	6.0	<i>Elective</i>
Robotics	6.0	<i>Elective</i>
Sociology of Innovation	6.0	<i>Elective</i>