

Master's Degree in Health Data Science (MHEDAS) – 2025-26

Q1	Mon	Tue	Wed	Thu	Fri
14:00-14:30	MI	BDC, CN	MI	BE	SP
14:30-15:00	MI	BDC, CN	MI	BE	SP
15:00-15:30	MI	BDC, CN	SP	BE	BS
15:30-16:00	BS	EHR	SP	EHR	BS
16:00-16:30	BS	EHR	SP	EHR	BS
16:30-17:00	BS	BSSP, HDVC	CPA	EHR	HDVC
17:00-17:30	BE	BSSP, HDVC	CPA	CN	HDVC
17:30-18:00	BE	BSSP	CPA	CN	HDVC
18:00-18:30					

Q2	Mon	Tue	Wed	Thu	Fri
14:00-14:30	AHDA	HPDC	HPDC	AHDA	ML
14:30-15:00	AHDA	HPDC	HPDC	AHDA	ML
15:00-15:30	AHDA	HPDC	HPDC	AHDA	ML
15:30-16:00	BL		ML		BL
16:00-16:30	BL		ML		BL
16:30-17:00	BL		ML		BL
17:00-17:30	BL				BL
17:30-18:00	BL				BL
18:00-18:30	BL				BL

Q3	Mon	Tue	Wed	Thu	Fri
14:00-14:30	ERP	PHR, CN	CAD, IOT	PRM	
14:30-15:00	ERP	PHR, CN	CAD, IOT	PRM	
15:00-15:30	ERP	PHR, CN	CAD, IOT	PRM	CE
15:30-16:00	DL	PRM	ERP	DL	CE
16:00-16:30	DL	PRM	ERP	DL	CE
16:30-17:00	DL	BSSP, HDVC	COTM, EHDA	DL	HDVC, TMH
17:00-17:30	CE	BSSP, HDVC	COTM, EHDA	CAD, CN	HDVC, TMH
17:30-18:00	CE	BSSP, COTM	COTM, EHDA	CAD, CN	HDVC, TMH
18:00-18:30		COTM			

Q4	Mon	Tue	Wed	Thu	Fri
14:00-14:30	AMIA	HDI	PDBMN		
14:30-15:00	AMIA	HDI	PDBMN		
15:00-15:30	AMIA	HDI	PDBMN		
15:30-16:00		AMIA	TNN		
16:00-16:30		AMIA	TNN		
16:30-17:00			TNN		
17:00-17:30					
17:30-18:00					
18:00-18:30					

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Q1 (1st course, 1st semester)

BS	Biomedical statistics (6)
CPA	Citizens and patients activities (3)
EHR	Electronic health records (4.5)
MI	Medical imaging (4.5)
SP	Scientific programming (4.5)
<i>BSSP</i>	<i>Biomedical sensors and signal processing (3)</i>
<i>CN</i>	<i>Complex networks (4.5)</i>
<i>HDVC</i>	<i>Health data visualization and communication (4.5)</i>
BDC	Biomedical data challenges (3)
BE	Biomedicine for engineers (4.5)

Q2 (1st course, 2nd semester)

AHDA	Advanced health data analysis (6)
BL	Business Lab (6) - Double sessions during half of the semester
HPDC	High-performance and distributed computing (6)
ML	Machine learning (6)
SS	Summer school (6) - June 1 to 10, 2026

Q3 (2nd course, 1st semester)

DL	Deep learning (6)
ERP	Ethics, regulation and privacy (4.5)
PRM	Project and research methodologies (4.5)
<i>BSSP</i>	<i>Biomedical sensors and signal processing (3)</i>
<i>CN</i>	<i>Complex networks (4.5)</i>
<i>HDVC</i>	<i>Health data visualization and communication (4.5)</i>
COTM	Clinical -omics and translational medicine (4.5)
CE	Computational epidemiology (4.5)
CAD	Computer-aided diagnosis and decision making (4.5)
EHDA	Environmental health data analysis (3)
IOT	IOT and AI for health (3)
PHR	Proteomics for health research (3)
TMH	Text mining for healthcare (3)

Q4 (2nd course, 2nd semester)

INT	Internship (15)
MT	Master's Thesis (9)
AMIA	Advanced medical image analysis (4.5)
HDI	Health data integration (3)
PDBMN	Prediction of dynamic behavior in molecular networks (3)
TNN	Tools for neuroengineering and neuroimaging (3)

In **bold**, compulsory subjects; otherwise, elective subjects

In *italics*, elective subjects available in both Q1 and Q3

In **bold italics**, compulsory subjects that are not included in the schedule

In parentheses, the number of ECTS of each subject