



Program | 120 ECTS

# Master of Science in Artificial Intelligence

## First part: Foundational Modules – compulsory modules | 40 ECTS

	No	Module	ECTS	Semester
Compulsory	M01	Mathematics for AI <sup>1</sup>	10	AS/SS
Compulsory	M02	Computer Science for AI <sup>1</sup>	10	AS/SS
Compulsory	M03	Fundamentals of Machine Learning and Statistics <sup>2</sup>	10	AS/SS
Compulsory	M04	Deep Learning & Foundation Models <sup>2</sup>	10	AS/SS

## Second part: Core Modules – compulsory modules | 40 ECTS<sup>3</sup>

	No	Module	ECTS	Semester
Compulsory	M05	Computer Vision & Perception	10	AS
Compulsory	M06	Advanced Deep Learning	10	AS
Compulsory	M07	Large Language Models & Natural Language Processing	10	SS
Compulsory	M08	Speech & Audio	10	SS

## Third part: Advanced Modules – elective modules | 20 ECTS<sup>4</sup>

	No	Module	ECTS	Semester
Elective	M09	Agentic AI	10	AS
Elective	M10	AI for Finance & Insurance	10	AS
Elective	M11	Robotics & Autonomous Systems	10	SS
Elective	M12	Human-Computer Interaction	10	SS

## Master Thesis | 20 ECTS<sup>5</sup>

	No	Module	ECTS	Semester
Compulsory	M13	Master Thesis	20	AS/SS

<sup>1</sup> Module to be taken in semester I

<sup>2</sup> Module to be taken in semester II

<sup>3</sup> Module to be taken in semester III and IV

<sup>4</sup> Module to be taken in semester V and VI

<sup>5</sup> Module to be taken in semester V and/or VI