

Curriculum table for the full-time Master Programme in Artificial Intelligence from 2026/2027 academic year																													
					Semesters																				Prerequisite				
	Subject name	weekly hours	credits	1.					2.					3.					4.										
				lec	sem	lab	req	cr	lec	sem	lab	req	cr	lec	sem	lab	req	cr	lec	sem	lab	req	cr		Subject name				
	Fundamentals of Mathematics and Natural Sciences (10–20 credits)	13	15																										
1	Image processing and computer graphics	4	5	2	0	2	m	5																					
2	Applied mathematics	4	4						3	1	0	ex	4																
3	Probability Theory and Mathematical Statistics	3	4						2	1	0	ex	4																
4	Physical education I.	1	1	0	1	0	m	1																					
5	Physical education II.	1	1						0	1	0	m	1																
	Core Studies in Informatics and Artificial Intelligence (20–30 credits)	26	29																										
6	Programming paradigms and data structures*	5	5	3	0	2	ex	5																					
7	Modern Operational systems	5	5	2	0	3	ex	5																					
8	Introduction to machine learning	4	5						1	1	2	ex	5																
9	Cloud based IoT and Big Data Platforms	4	4						2	0	2	m	4																
10	Databases and Big Data technologies	4	5	2	0	2	m	5																					
11	Deep learning	4	5											1	1	2	ex	5							Introduction to machine learning				
	Studies Developing Specialized Competences Related to Artificial Intellig	34	40																										
12	Natural Language Processing with Large Language Models	4	5											2	0	2	m	5							Introduction to machine learning				
13	Artificial Intelligence Applications in Robotics	4	5											1	0	3	m	5							Image processing and computer graphics				
14	Artificial Intelligence Development and Operations (AI DevOps)	4	5	1	1	2	m	5																					
15	Reinforcement learning	5	4						2	0	3	m	4																
16	Modern Artificial Intelligence Technologies	4	4																2	0	2	m	4		Deep learning				
17	Explainable Artificial Intelligence (XAI)	3	4						2	0	1	m	4																
18	Recent areas of artificial intelligence	4	5											2	0	2	ex	5											
19	Ethical Use of Artificial Intelligence and Related Legal Aspects	3	4	2	1	0	ex	4																					
20	Human–Computer Interaction and Cognitive Systems	3	4						2	0	1	ex	4																
	Thesis work	0	30																										
21	Thesis work I.		10														m	10											
22	Thesis work II.		20																		m	20			Thesis work I.				
	Criteria subject	1	0																										
23	Mentoring	1		0	1	0	s	0																					
	Elective courses (min. 6 credits)	0	6																										
24	Elective course I.	0	3																					3					
25	Elective course II.	0	3																					3					

						7				8					5					2									
Exam (ex)						3				4					2					0									
Midterm (m)						4				4					3					2									
Signature (s)						1				0					0					0									

Summary					12	4	11	0	30	14	4	9	0	30	6	1	9	0	30	2	0	2	0	30					
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