



**UNIVERSITÀ
DI TRENTO**

Dipartimento di
Ingegneria e Scienza dell'Informazione

2026-27

Manifesto Laurea Magistrale in Artificial Intelligence System /Master's Degree in Artificial Intelligence Systems - a.a. 2026-27

AD Code ESSE3	CORSO	COURSES	SSD ACADEMIC DISCIPLINE	NEW SSD NEW ACADEMIC DISCIPLINE	CFU CREDITS	TAF TRAINING ACTIVITY	ANNO YEAR	SEMESTRE SEMESTER	CREDITI DA SCEGLIERE CREDITS TO CHOOSE	TE NOTES	Docente TITOLARE COGNOME PROFESSOR	Docente TITOLARE NOME
Curricula: Methodologies and Applications, AI and Innovation, Systems, Neurocognitive Architectures												
Corsi obbligatori/Mandatory courses									42			
146437	Foundations of Artificial Intelligence (ex 145856 Fundamentals of Artificial Intelligence)		ING-INF/05	IINF-05/A	12	Car.	1	I			Sebastiani	Roberto
145857	Machine Learning - Module I		ING-INF/05	IINF-05/A	12	Car.	1	I			Melgani	Farid
	Machine Learning - Module II						1	I			Ricci	Elisa
146423	Deep Learning Lab		ING-INF/05	IINF-05/A	6	Car.	1	II			Biondi	Niccolo'
145859	Natural Language Understanding		ING-INF/05	IINF-05/A	6	Car.	1	II			Riccardi	Giuseppe
Choose one course among the following ones: for the path Computer Vision it is suggested to choose Signal, Image and Video												
145860	Law and Ethics in Artificial Intelligence		IUS/21	GIUR-11/B	6	Aff.	1	I			Penasa	Simone
146214	Markov Decision Processes and Reinforcement Learning		MAT/09	MATH-06/A	6	Aff.	1	I			Bianchi	Luigi Amedeo
145858	Signal, Image and Video		ING-INF/03	IINF-03/A	6	Aff.	1	I			De Natale	Francesco
Depth requirement (for all Curricula 18 except Neurocognitive 6)									18			
145863	Automated Reasoning		ING-INF/05	IINF-05/A	6	Car.	1	II			Sebastiani	Roberto
145866	Introduction to Robotics		ING-INF/04	IINF-04/A	6	Car.	1	II			Saveriano	Matteo
145867	Autonomous Software Agents		ING INF/05	IINF-05/A	6	Car.	2	I			Giorgini	Paolo
145763	Bio-Inspired Artificial Intelligence		ING-INF/05	IINF-05/A	6	Car.	2	I			Iacca	Giovanni
145862	Automated Planning: Theory and Practice		ING-INF/05	IINF-05/A	6	Car.	2	I			Roveri	Marco
145864	Human-Machine Dialogue		ING-INF/05	IINF-05/A	6	Car.	2	I			Riccardi	Giuseppe
145861	Artificial and biological neural systems		ING-INF/05	IINF-05/A	6	Car.	1	II		§	Hasson	Uri
§ Consigliato per il curriculum Neurocognitive												
A - Curriculum Methodologies and Applications												
Choose one among the following paths: Computer Vision, Methodologies, Intelligent Robots or Humans and AI										18		
Path Computer Vision												
140266	Computer Vision		ING-INF/03	IINF-03/A	6	Aff.	1	II			Conci	Nicola
145869	Advanced Computer Vision		ING-INF/05	IINF-05/A	6	Car.	2	I			Ricci	Elisa



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145870	Trends and Applications of Computer Vision		ING-INF/05	IINF-05/A	6	Car.	2	I			Boato	Giulia
Path Methodologies												
145871	Advanced Topics in Machine Learning and Optimization		MAT/09	MATH-06/A	6	Aff.	2	I			Passerini	Andrea
146382	Foundation models		INF/01	INFO-01/A	6	Aff.	2	I			Rota	Paolo
1 course among {Depth courses, Advanced Computer Vision}			ING-INF/04	IINF-04/A	6	Car.	1-2	II-I				
			ING-INF/05	IINF-05/A								
Path Intelligent Robots												
145872	Distributed Robot Perception		ING-INF/07	IMIS-01/B	6	Aff.	2	I			Fontanelli	Daniele
146216	Optimisation and Learning for Robot Control		ING-INF/04	IINF-04/A	6	Car.	2	I			Del Prete	Andrea
145874	Robot Planning and its application		ING-INF/05	IINF-05/A	6	Car.	2	I			Palopoli	Luigi
Path Humans and AI										*		
146382	Foundation models		INF/01	INFO-01/A	6	Aff.	2	I			Rota	Paolo
146391	Knowledge Graphs		ING-INF/05	IINF-05/A	6	Car.	2	I			Giunchiglia	Fausto
6 credits a scelta tra i seguenti												
145899	Studies on Human Behaviour		INF/01	INFO-01/A	6	Aff.	2	I			Bison	Ivano
146438	Artificial General Intelligence (per gli studenti della coorte 2025-26 146307 Human-centric AI)		ING-INF/05	IINF-05/A	6	Car.	2	I			Giunchiglia	Fausto
146155	Advanced HCI		ING-INF/05	IINF-05/A	6	Car.	2	I			Varni	Giovanna Paola
Free-choice courses (see list below)									12			
145884	Tesi / Thesis								24			
145885	Tirocini formativi e di orientamento								6			
								TOT	120			
*	Si consiglia di scegliere Automated Planning: Theory and Practice come corso depth, Causality tra i free choice per questo path											
B - Curriculum AI and Innovation												
Path AI and Innovation									18			
145881	AI and Innovation		ING-INF/05	IINF-05/A	6	Car.	2	I			Formentini	Marco
145636	Business Development Laboratory		SECS-P/08	ECON-07/A	6	Aff.	1	II			Formentini	Marco



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145936	Innovation and Entrepreneurship Basic	SECS-P/10	ECON-08/A	6	Aff.	2	I			Angeli	Lorenzo
	Free-choice courses (see list below)							12			
145884	Tesi / Thesis							24			
145885	Tirocini formativi e di orientamento							6			
C - Curriculum Systems											
Path AI Systems for Environment and Sustainability											
146217	Software Development for Collaborative Robotics	ING-INF/05	IINF-05/A	6	Car.	2	I			Lamon	Edoardo
146303	Sensing Technologies and Data Processing	ING-INF/03	IINF-03/A	6	Aff.	2	I			Bruzzzone	Lorenzo
146218	AI for Food Quality Control	ING-INF/03	IINF-03/A	6	Aff.	2	I			Melgani	Farid
	Free-choice courses (see list below)							12			
145884	Tesi / Thesis							24			
145885	Tirocini formativi e di orientamento							6			
							TOT	120			
D - Curriculum Neurocognitive Architectures											
Track Neurocognitive Architecture											
146400	Foundations of Cognitive Psychology and Neuroscience	ING-INF/05	IINF-05/A	6	Car.	2	I			Bottini	Roberto
146382	Foundation models	INF/01	INFO-01/A	6	Aff.	2	I			Rota	Paolo
154152	Introduction to Human Language	L-LIN/01	GLOT-01/A	6	Aff.	2	I			Zamparelli	Roberto
154145	Semantics and Cognition	ING-INF/05	IINF-05/A	6	Car.	2	I			Szymanik	Jakub Krzysztof
154108	Language and Social Cognition	M-PSI/02	PSIC-01-/B	6	Aff.	2	I			Hasson	Uri
6 crediti a scelta nel gruppo seguente											
	1 Course among depth courses (come specificato sopra)			6	Car	1-2	I-II		**		
* Si consiglia di scegliere Artificial and biological neural systems per questo percorso											
**Solo per la corte 2025-2026 e seguenti. La coorte 2024-2025 deve fare 30 CFU, e quindi il corso depth non è da selezionare.											
	Free-choice courses (see list below)							12			
145884	Tesi / Thesis							24			



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145885	Tirocini formativi e di orientamento							6			
							TOT	120			
Free-choice courses											
Students are encouraged to choose firstly among the courses of the Path(s) and the Depth group that have not been selected in their study plan, secondly from the list below. These courses are automatically approved.											
145091	Technical Writing	L- LIN /12	ANGL-01/C	6	Scelta	1	I-II		*	Centro Linguistico di Ateneo	
146102	Italian Exam for International Students			6	Scelta	1	I-II		**	Centro Linguistico di Ateneo	
146079	Formal Verification	ING-INF/05	IINF-05/A	6	Scelta	1	II		***	Sebastiani	Roberto
145774	Automatic Control	ING-INF/04	IINF-04/A	6	Scelta	1	II			Zaccarian	Luca
146120	GPU computing	INF/01	INFO-01/A	6	Scelta	1	II			Vella	Flavio
146200	Digital Epidemiology	ING-INF/05	IINF-05/A	6	Scelta	1	II			Tizzoni	Michele
146321	Knowledge Discovery and Pattern Extraction	INF/01	INFO-01/A	6	Scelta	1	II			Casati	Fabio
146383	Immersive Technologies	ING-INF/05	IINF-05/A	6	Scelta	1	II			Boem	Alberto
146322	Designing Large Scale AI Systems	INF/01	INFO-01/A	6	Scelta	1-2	II			Casati	Fabio
146308	Process Mining and Management	ING-INF/05	IINF-05/A	6	Scelta	2	I			Di Francescomarino	Chiara
145972	High-Performance Computing for Data Science	ING-INF/05	IINF-05/A	6	Scelta	2	I			Fiore	Sandro
145801	Neuroimaging for Data Science	M-PSI/02	PSIC-01-/B	6	Scelta	2	I			Baldauf	Daniel
155020	Multisensory Interactive Systems	ING-INF/05	IINF-05/A	6	Scelta	2	I			Turchet	Luca
140466	Computational methods for mechatronics	MAT/08	MATH-05/A	6	Scelta	2	I			Bertolazzi	Enrico
146155	Advanced HCI	ING-INF/05	IINF-05/A	6	Scelta	2	I			Varni	Giovanna Paola
146217	Software Development for Collaborative Robotics	ING-INF/05	IINF-05/A	6	Scelta	2	I			Lamon	Edoardo
146035	Dynamics of vehicles (nome nuovo) (per la coorte 2025-26 '145779 Dynamics a	ING-IND/13	IIND-02/A	6	Scelta	2	II			Biral	Francesco
145877	Logical Structures of Natural Language	M-FIL/05	PHYL-04/B	6	Scelta	2	II			Zamparelli	Roberto
146392	Causality	ING-INF/05	IINF-05/A	6	Scelta	2	I			Teso	Stefano
145585	Quantum Machine Learning	ING-INF/05	IINF-05/A	6	Scelta	2	I			Blanzieri	Enrico
145289	Research Project	INF/01	INFO-01/A	12	Scelta	1-2	I-II			DISI Faculty, and Teachers in AIS.	
		ING-INF/05	IINF-05/A								
145301	Project course	INF/01	INFO-01/A	6	Scelta	1-2	I-II			DISI Faculty, and Teachers in AIS.	
		ING-INF/05	IINF-05/A								
146317	Soft Skills Development	ING-INF/05	IINF-05/A	6	Scelta	1-2	II			Boato	Giulia



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146424	Low-Power and Intelligent Embedded Systems	ING-INF/05	IINF-05/A	6	Scelta	1	II			Yildirim	Kasim Sinan
146418	Programmable networks (per gli studenti della coorte 2025-26 145807 Networking mod 02)	ING-INF/03	IINF-03/A	6	Scelta	1-2	I			Graneli	Fabrizio
(*) 145091 Foreign students cannot take Technical Writing along with '146102 Italian Exam for International Students', except for the case of supernumerary credits.											
(**) 146102 Italian Exam for International Students - This course is reserved to foreign students only. Please note that foreign students lacking a sufficient level of knowledge of the Italian language (i.e. who cannot provide a CLA-recognized Italian Language certificate) will be required to follow the Italian language course and include 146102 Italian Exam for International Students, offered by CLA (University Language Center) in their study plan.											
(***)146079 Formal Verification: requires as prerequisite 145863 Automated Reasoning (aka Formal Methods Module I)											
Safety courses The on-line courses "Health and Safety in the workplace General Risk training" (4 hours) and "Health and Safety in the workplace Specific risk training (Low Risk)" (4 hours) are mandatory for all the students attending courses held in computer and/or teaching labs. The courses are available through Didattica online. Some of the courses may have additional requirements in terms of knowledge on the safety regulations. Such requirements are explicitly mentioned in the Syllabus of the courses and can be covered through specific safety courses (medium risk) offered by the University.											
https://www.unitn.it/en/study/register/documents-and-certificates/safety-training											