UNIVERSITÀ DI TRENTO
Dipartimento di Ingegneria e Scienza dell'Informazione

Manifesto Laurea Magistrale in Artificial Intelligence System /Master's Degree in Artificial Intelligence Systems - a.a. 2026-27
FOR DOUBLE DEGREE STUDENTS ONLY

AD *Code ESSE3*	**CORSO** *COURSES*	**SSD** *ACADEMIC DISCIPLINE*		**CFU** *CREDITS*	**TAF** *TRAINING ACTIVITY*	**ANNO** *YEAR*	**SEMESTRE** *SEMESTER*	**CREDITI DA SCEGLIERE** *CREDITS TO CHOOSE*	**NOTE** *NOTES*	**Docente TITOLARE COGNOME** *PROFESSOR*	**Docente TITOLARE NOME**
Curricula: Artificial Intelligence with Affective Computing (AIAC) - developed under (EMAI4EU) - offered to Double Degree students only											
Corsi obbligatori 1 anno/Compulsory Major Courses 1st year								**30**			
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
145860	Law and Ethics in Artificial Intelligence	IUS/21	GIUR-11/B	6	Aff.	1	I			Penasa	Simone
145859	Natural Language Understanding	ING-INF/05	IINF-05/A	6	Car.	1	II			Riccardi	Giuseppe
Choose one course among the following ones											
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
Corsi I&E obbligatori 1 anno/Compulsory I&E Courses 1st year								**24**			
145881	AI and Innovation	ING-INF/05	IINF-05/A	6	Car.	1	I			Formentini	Marco
145288	Business Development Laboratory	SECS-P/08	ECON-07/A	9	Aff.	1	II			Formentini	Marco
145455	ICT Innovation	ING-INF/05	IINF-05/A	9	Car.	1	II			Formentini	Marco
Corsi a scelta 1 anno/Free choice course 1st year								**6**			
	Free choice course (see list below)			6		1					
Corsi obbligatori 2 anno/Compulsory Major Courses 2nd year								**18**			
145520	Affective Computing	ING-INF/05	IINF-05/A	6	Car.	2	I			Sebe	Nicu
146438	Artificial General Intelligence (ex. 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
								6			
145936	Innovation and Entrepreneurship Basic	SECS-P/10	ECON-08/A	6	Aff.	2	I			Angeli	Lorenzo
Corsi a scelta 2 anno/Free choice course 2nd year								**6**			
	Free choice course (see list below)			6							

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145884	**Tesi / Thesis**							**24**			
145885	**Tirocini formativi e di orientamento/Internship**							**6**			
							TOT	**60**			
Free-choice courses											
Students are encouraged to choose firstly among the courses in AIS that have not been selected in this study plan from the list below and from the different curriculum in AIS. These courses are authomatically approved.											
146155	Advanced HCI	ING-INF/05	IINF-05/A	6	Scelta	1	I			Varni	Giovanna Paola
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
146450	Mechatronic systems Analysis - Mod. 2 Modeling and simulation of mechatronic systems	ING-IND/13	IIND-02/A	6	Scelta	1	II			Biral	Francesco
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
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
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

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140466	Computational methods for mechatronics	MAT/08	MATH-05/A	6	Scelta	2	I			Bertolazzi	Enrico
146392	Causality	ING-INF/05	IINF-05/A	6	Car.	2	I			Teso	Stefano
146217	Software Development for Collaborative Robotics	ING-INF/05	IINF-05/A	6	Scelta	2	I			Lamon	Edoardo
145585	Quantum Machine Learning	ING-INF/05	IINF-05/A	6	Scelta	2	I			Blanzieri	Enrico
146382	Foundation models	INF/01	INFO-01/A	6	Aff.	2	I			Rota	Paolo
146035	Dynamics of vehicles	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
145289	Research Project	INF/01	INFO-01/A	12	Scelta	2	I-II			DISI Faculty, and Teach	
		ING-INF/05	IINF-05/A								
146322	Designing Large Scale AI Systems	INF/01	INFO-01/A	6	Scelta	1-2	II			Casati	Fabio
146317	Soft Skills Developments	ING-INF/05	IINF-05/A	6	Scelta	1-2	II			Boato	Giulia
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								

(*) 145091 Students having in their study plan '146102 Italian Exam for International Students', cannot take also '145091 Technical Writing', except for the case of supernumerary creditis.

(**) '146102 Italian Exam for International Students' - This course is reserved to non-Italian citizens only.

(***)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