UNIVERSITÀ
DI TRENTO
Dipartimento di
Ingegneria e Scienza dell'Informazione

Manifesto Laurea Magistrale in Ingegneria dell'Informazione/Information Engineering - anno accademico 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*	**NOTE** *NOTES*	**Docente TITOLARE COGNOME** *PROFESSOR*	**Docente TITOLARE NOME**
Mandatory								***42***			
146224	Digital signal processing (mod 1)	ING-INF/03	IINF-03/A	12	Car	1	I			Demi	Libertario
	Digital signal processing (mod 2)									Demi	Libertario
146444	Engineering Programmable and Sustainable Networks (mod 1) (ex Networking (mod 1))	ING-INF/03	IINF-03/A	12	Car	1	I			Granelli	Fabrizio
	Engineering Programmable and Sustainable Networks (mod 2) (ex Networking (mod 2))									Granelli	Fabrizio
145761	Innovation and Business in ICT	SECS-P/10	ECON-08/A	6	Aff	1	I			Pasquini	Carlo
146226	Recognition Systems	ING-INF/03	IINF-03/A	12	Car	1	II			Melgani	Farid
Space and Networks											
Communications Engineering - la coorte 25-26 segue il vecchio regolamento								***12***			
146420	Simulation and evaluation of networked systems (ex Simulation and Performance Evaluation)	ING-INF/05	IINF-05/A	6	Aff	1	II			Casari	Paolo
146445	Radar Systems for Earth and Space Applications (ex Radar Systems and Applications (ex 140273 Radar and Radiolocalization))	ING-INF/03	IINF-03/A	6	Car	1	II			Bruzzone	Lorenzo
								18			
146446	Mobile and satellite communication systems (ex Communications Systems)	ING-INF/03	IINF-03/A	6	Car	1	II			Sacchi	Claudio
146303	Sensing Technologies and Data Processing	ING-INF/03	IINF-03/A	6	Car	2	I			Bruzzone	Lorenzo
146228	Wireless Networking and Localization	ING-INF/03	IINF-03/A	6	Car	2	I			Casari	Paolo
145811	Low-power wireless networking for the Internet of Things (si offre anche alla coorte 25-26)	ING-INF/03	IINF-03/A	6	Car	2	I			Picco	Gian Pietro
								18			
	A scelta			18	Scelta	1-2	I-II		*		
Computer Engineering								***6***			
140266	Computer Vision	ING-INF/03	IINF-03/A	6	Car	1	II			Conci	Nicola
								12			
146223	Distributed Systems	ING-INF/05	IINF-05/A	6	Aff	1	II			Picco	Gian Pietro
146421	Cloud Computing Technologies (ex 145771 Fog and Cloud Computing)	ING-INF/05	IINF-05/A	6	Aff	1	II			Siracusa	Domenico
146229	Computer Graphics	ING-INF/05	IINF-05/A	6	Aff	1	II			Garau	Nicola
146383	Immersive Technologies	ING-INF/05	IINF-05/A	6	Aff	1	II		*	Boem	Alberto
(*) 146383 Immersive Technolgies: a partire dall'A.A. 2027/2028, questo corso si terrà nel primo semestre./Starting from the academic year 2027/2028, this course will be given in the first semester.											
								6			

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146419	Deepfake Detection and Multimedia Security (ex 145614 Multimedia Data Security)	ING-INF/03	IINF-03/A	6	Car	2	I			Boato	Giulia
								6			
145764	Deep Learning (solo per gli studenti della coorte 2026-27)	ING-INF/05	IINF-05/A	6	Aff	2	I		*	Ricci	Elisa
155020	Multisensory Interactive Systems	ING-INF/05	IINF-05/A	6	Aff	2	I			Turchet	Luca
146155	Advanced HCI (offerto anche alla coorte 2025-26)	ING-INF/05	IINF-05/A	6	Aff	2	I			Varni	Giovanna
145810	Service Design and Engineering	ING-INF/05	IINF-05/A	6	Aff	2	I			Marchese	Maurizio
* (145764) Deep Learning: il corso si svolgerà nella seconda metà del semestre/The course will be held in second half of the semester								***18***			
	A scelta			18	Scelta	1-2	I-II		**		
(Pacchetto XR) Per gli studenti interessati a una specializzazione in ambito Extended Reality si suggerisce di prendere nei corsi a scelta: Robotics and assistive devices in medicine - Sensing and elaboration for robotics and augmented reality - Advanced signals processing and modeling of physiological systems (vedere campo note XR)											
Electronic and Computing Systems											
Electronics Engineering - la coorte 25-26 segue il vecchio regolamento								***6***			
146230	Analog Electronic Systems	ING-INF/02	IINF-02/A	6	Car	1	II			Lizzi	Leonardo
								12			
146424	Low-Power and Intelligent Embedded Systems (ex 146231 Low-power embedded systems)	ING-INF/05	IINF-05/A	6	Aff	1	II			Yildirim	Kasim Sinan
146197	Micro-electronic devices, sensors and MEMS	ING-INF/01	IINF-01/A	6	Aff	1	II			Dalla Betta	Gianfranco
146120	GPU Computing	INF/01	INFO-01/A	6	Aff	1	II			Vella	Flavio
								6			
145811	Low-power wireless networking for the Internet of Things	ING-INF/03	IINF-03/A	6	Car	2	I			Picco	Gian Pietro
								6			
145447	Advanced Computing Architectures	ING-INF/05	IINF-05/A	6	Aff	2	I			Passerone	Roberto
146232	High Performance Computing	ING-INF/05	IINF-05/A	6	Aff	2	I			Fiore	Sandro
145230	Laboratory of Advanced Electronics (offerto anche alla coorte 2025-26)	ING-INF/01	IINF-01/A	6	Aff	2	I			Ricci	Leonardo
								18			
	A scelta			18	Scelta	1-2	I-II				
Biomedical Engineering								***24***			
146380	Fundamentals of Biomedical Imaging (mod 01)	ING-INF/03	IINF-03/A	12	Car	1	II			Demi	Libertario
	Fundamentals of Biomedical Imaging (mod 02)									Demi	Libertario

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146200	Digital Epidemiology	ING-INF/05	IINF-05/A	6	Aff	1	II			Tizzoni	Michele
145762	Ultrasound Technologies for Medical Applications (coorte 25/26) Solo per gli studenti della coorte 25-26. Gli studenti che hanno il corso a libretto faranno un project.	ING-INF/06	IBIO-01/A	6	Aff	2	I			Demi	Libertario
155020	Multisensory Interactive Systems (offerto a partire dalla coorte 2026-27)	ING-INF/05	IINF-05/A	6	Aff	2	I			Turchet	Luca
								6			
146236	Robotics for Biomedical Engineering	ING-INF/05	IINF-05/A	6	Aff	2	I			Lamon	Edoardo
146237	Sport Tech	ING-INF/05	IINF-05/A	6	Aff	2	I			Conci	Nicola
	A scelta							***18***			
				18	Scelta	1-2	I-II				
								30			
145665	Tirocinio			6	Altro	2	II				
146238	Thesis			24	Altro	2	II				

Con riferimento ai corsi a scelta, selezionare preferibilmente tra gli insegnamenti non selezionati dalle liste precedenti e, in subordine, dalla lista di seguito./ With reference to elective courses, students should preferably choose from those not previously selected from the prior lists, and alternatively, from the list below.

Free-choice courses

146102	Italian Exam for International Students			6	Scelta	1	I-II		*	Centro Linguistico di Ateneo	
145091	Technical Writing	L- LIN /12	ANGL-01/C	6	Scelta	1	I-II		**	Centro Linguistico di Ateneo	
146447	Fundamentals of Biomedical Imaging - Theoretical part	ING-INF/03	IINF-03/A	6	Scelta	1	II			Demi	Libertario
145937	Introduction to Computer and Network security	INF/01	INFO-01/A	6	Scelta	1	I			Ranise	Silvio
145859	Natural Language Understanding	ING-INF/05	IINF-05/A	6	Scelta	1	II			Riccardi	Giuseppe
146263	Robotics and assistive devices in medicine	ING-INF/04	IINF-04/A		Scelta	1	II			De Cecco	Mariolino
146448	Smart sensing for robotics and augmented reality (attivo dal 2027-28)	ING-INF/05	IINF-05/A	6	Scelta	2	I			De Cecco	Mariolino
146261	Advanced signals processing and modeling of physiological systems	ING-INF/06	IBIO-01/A	6	Scelta	2	I			Masé	Michela
146122	Ethics for computer science and engineering	SECS--P/07	ECON-06/A	6	Scelta	1	II			TBD	
146219	Ethical Hacking	INF/01	INFO-01/A	6	Scelta	1	II			Crispo	Bruno
146221	Challenge-Based Activity	ING-INF/05	IINF-05/A	6	Scelta	1-2	I-II			DISI Faculty	
145301	Project course	ING-INF/03	IINF-03/A	6	Scelta	1-2	I-II			DISI Faculty	
145289	Research Project	ING-INF/05	IINF-05/A	12	Scelta	1-2	I-II			DISI Faculty	
146218	AI for Food Quality Control	ING-INF/03	IINF-03/A	6	Scelta	2	I			Melgani	Farid
146239	Network Intrusion and Anomaly detection with Machine Learning	ING-INF/05	IINF-05/A	6	Scelta	2	I			Doriguzzi Corin	Roberto
146317	Soft Skills Development	ING-INF/05	IINF-05/A	6	Scelta	1-2	II			Boato	Giulia

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146412	Electronic and photonic integrated chips (ex 146304 Laboratory of systems on chips)	ING-INF/01	IINF-01/A	6	Scelta	2	I			Velha	Philippe
146305	Dispositivi Elettronici	ING-INF/01	IINF-01/A	6	Scelta	2	I		***	UniBZ	
146037	Embedded systems	ING-INF/03	IINF-03/A	6	Scelta	1	I			Rech	Paolo
146381	Laboratory of Data Mining	ING-INF/05	IINF-05/A	6	Scelta	(1)-2	I			Blanzieri	Enrico
146382	Foundation Models	ING-INF/05	IINF-05/A	6	Scelta	(1)-2	I			Rota	Paolo
146423	Deep Learning Lab	ING-INF/05	IINF-05/A	6	Scelta	1	II		****	Biondi	Niccolo'
145065	Network Security	INF/01	INFO-01/A	6	Scelta	1	II		*	Crispo	Bruno
146450	Mechatronic systems Analysis - Mod. 2 Modeling and simulation of mechatronic systems	ING-IND/13	IIND-02/A	6	Scelta	1	II			Biral	Francesco
146370	Public-key and post-quantum cryptography	MAT/02	MATH-02/A	6	Scelta	1	II			Pintore	Federico
146371	Advanced Symmetric Cryptography (nota bene: questo corso richiede competenze matem	MAT/02	MATH-02/A	6	Scelta	1	II		*****	Sala	Massimiliano
146266	Cryptographic Protocols for Secure Networks and Applications	ING/INF 05	IINF-05/A	6	Scelta	1	II			Ranise	Silvio
146451	Sensors for biosignals	INF/01	INFO-01/A	6	Scelta	1	II		***	Ibba	Pietro
146452	Electronic systems for sports and health	INF/01	INFO-01/A	6	Scelta	1	I		***	UniBZ	
146157	Blockchain	INF/01	INFO-01/A	6	Scelta	1	II			TBD	

(*) 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.

(**) 145091 Foreign students cannot take Technical Writing along with '146102 Italian Exam for International Students', except for the case of supernumerary creditis.

(***) '146305 Dispositivi elettronici', '146451 Sensors for biosignals', '146452 Electronic systems for sports and health' - questi corsi sono offerto presso la Libera Università di Bolzano (UniBZ). Si raccomanda di verificare: 1) gli orari di erogazione in quanto non si garantisce la non sovrapponibilità; 2) le modalità e gli appelli di esame.

(****) 146423 Deep Learning Lab - Si consiglia di frequentare 145764 - Deep Learning./It is recommended attending 145764 - Deep Learning.

(*****) '146371 Advanced Symmetric Cryptography' - Si consiglia di verificare i requisiti relativi alle competenze matematiche richieste./It is suggested to verify the requirements related to the mathematical background.

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