UNIVERSITÀ DI TRENTO
Dipartimento di Ingegneria e Scienza dell'Informazione

Manifesto Laurea Magistrale in Ingegneria dell'Informazione/Information Engineering - anno accademico 2025-26

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
146225	Networking (mod 1)	ING-INF/03	IINF-03/A	12	Car	1	I			Granelli	Fabrizio
	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
Communications Engineering								***12***			
145065	Network Security*	INF/01	INFO-01/A	6	Aff	1	II		*	Crispo	Bruno
145462	Simulation and Performance Evaluation	ING-INF/03	IINF-03/A	6	Car.	1	II			Casari	Paolo
								18			
146227	Communication Systems	ING-INF/03	IINF-03/A	6	Car	1	II			Sacchi	Claudio
146306	Radar Systems and Applications (ex 140273 Radar and Radiolocalization)	ING-INF/03	IINF-03/A	6	Car	1	II			Bruzzone	Lorenzo
146303	Sensing Technologies and Data Processing (ex 145612 Advanced Remote Sensing Systems)	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
								18			
	A scelta			18	Scelta	1-2	I-II		*		
* Il corso può essere sostituto tramite piano individuale con 145937 'Introduction to computer and Network Security', se non sostenuto alla triennale/ The course may be replaced with 145937 ' Introduction to computer and Network security', if it was not taken during the Bachelor's.											
Computer Engineering								***6***			
140266	Computer Vision	ING-INF/03	IINF-03/A	6	Car	1	II			Conci	Nicola
								12			
145764	Deep Learning	ING-INF/05	IINF-05/A	6	Aff	1	II			Ricci	Elisa
146223	Distributed Systems	ING-INF/05	IINF-05/A	6	Aff	1	II			Picco	Gian Pietro
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
146157	Blockchain	ING-INF/05	IINF-05/A	6	Aff	1	II			TBD	
								6			
145614	Multimedia Data Security	ING-INF/03	IINF-03/A	6	Car	2	I			Boato	Giulia
								6			
155020	Multisensory Interactive Systems	ING-INF/05	IINF-05/A	6	Aff	2	I			Turchet	Luca
145810	Service Design and Engineering	ING-INF/05	IINF-05/A	6	Aff	2	I			Marchese	Maurizio
								18			
	A scelta			18	Scelta	1-2	I-II				
Electronic Engineering								***6***			
146230	Analog Electronic Systems	ING-INF/02	IINF-02/A	6	Car	1	II			Lizzi	Leonardo
								12			
146231	Low-power embedded systems	ING-INF/05	IINF-05/A	6	Aff	1	II			Yildirim	Kasim Sinan

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146197	Microelectronic 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
								18			
	A scelta			18	Scelta	1-2	I-II				
Biomedical Engineering								***12***			
146380	Fundamentals of Biomedical Imaging	ING-INF/03	IINF-03/A	12	Car	1	II			Demi	Libertario
								6			
146200	Digital Epidemiology	ING-INF/05	IINF-05/A	6	Aff	1	II			Tizzoni	Michele
146235	Digital Health Systems	ING-INF/05	IINF-05/A	6	Aff	1	II			TBD	
								6			
145762	Ultrasound Technologies for Medical Applications (coorte 24/25)	ING-INF/03	IINF-03/A	6	Car	2	I			Demi	Libertario
145762	Ultrasound Technologies for Medical Applications (coorte 25/26)	ING-INF/06	IBIO-01/A	6	Aff	2	I			Demi	Libertario
								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				
145665	Tirocinio			6	Altro	2	II				
146238	Thesis			24	Altro	2	II				

Con riferimento ai corsi a scelta, selezionare preferibilimente dalla lista dei corsi scelta vincolata dell'intero manifesto, non selezionati in precedenza. In subordine, selezionare dalla lista di seguito./ As of free choice courses, students are encouraged to select the courses from the entire manifesto, and subordinately 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	
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
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 Developments	ING-INF/05	IINF-05/A	6	Scelta	1-2	II			D'Andrea	Vincenzo

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146304	Laboratory of Systems on Chip	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			Brunelli	Davide
145453	Data Mining	ING-INF/05	IINF-05/A	6	Scelta	1-2	I			Scettri	Giacomo
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
146383	Immersive Technologies	ING-INF/05	IINF-05/A	6	Scelta	1-(2)	II			Turchet	Luca

(*) 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 - questo corso, che può essere aggiunto come corso a scelta libera, è 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.

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