



**UNIVERSITÀ
DI TRENTO**

Dipartimento di
Ingegneria e Scienza dell'Informazione

Manifesto Laurea Magistrale in Ingegneria dell'Informazione/Information Engineering - anno accademico 2024-25

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
Mandatory							42			
146224	Digital signal processing (mod 1)	ING-INF/03	12	Car	1	1			Llorca	Jaime
	Digital signal processing (mod 2)								Llorca	Jaime
146225	Networking (mod 1)	ING-INF/03	12	Car	1	1			Granelli	Fabrizio
	Networking (mod 2)								Granelli	Fabrizio
145761	Innovation and Business in ICT	SECS-P/10	6	Aff	1	1			Pasquini	Carlo
146226	Recognition Systems	ING-INF/03	12	Car	1	2			Melgani	Farid
Communications Engineering							12			
145065	Network Security*	INF/01	6	Aff	1	2		*	Crispo	Bruno
145462	Simulation and Performance Evaluation	ING-INF/03	6	Car	1	2			Casari	Paolo
							18			
146227	Communication Systems	ING-INF/03	6	Car	1	2			Sacchi	Claudio
146306	Radar Systems and Applications (ex 140273 Radar and Radiolocalization)	ING-INF/03	6	Car	1	2			Bruzzzone	Lorenzo
146303	Sensing Technologies and Data Processing (ex 145612 Advanced Remote Sensing Systems)	ING-INF/03	6	Car	2	1			Bruzzzone	Lorenzo
146228	Wireless Networking and Localization	ING-INF/03	6	Car	2	1			Casari	Paolo
							18			
	A scelta		18	Scelta	1-2	1-2		*		
* Il corso può essere sostituito 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	6	Car	1	2			Conci	Nicola
							12			
145764	Deep Learning	ING-INF/05	6	Aff	1	2			Ricci	Elisa
146223	Distributed Systems	ING-INF/05	6	Aff	1	2			Picco	Gian Pietro
145771	Fog and Cloud Computing	ING-INF/05	6	Aff	1	2			Siracusa	Domenico
146229	Computer Graphics	ING-INF/05	6	Aff	1	2			Garau	Nicola
146157	Blockchain	ING-INF/05	6	Aff	1	2			Telesca	Luigi
							6			
145614	Multimedia Data Security	ING-INF/03	6	Car	2	1			Boato	Giulia
							6			
155020	Multisensory Interactive Systems	ING-INF/05	6	Aff	2	1			Turchet	Luca



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145810	Service Design and Engineering	ING-INF/05	6	Aff	2	1	18		Marchese	Maurizio
	A scelta		18	Scelta	1-2	1-2				
Electronic Engineering							6			
146230	Analog Electronic Systems	ING-INF/02	6	Car	1	2			Lizzi	Leonardo
							12			
146231	Low-power embedded systems	ING-INF/05	6	Aff	1	2			Yildirim	Kasim Sinan
146197	Microelectronic devices, sensors and MEMS	ING-INF/01	6	Aff	1	2			Dalla Betta	Gianfranco
146120	GPU Computing	INF/01	6	Aff	1	2			Vella	Flavio
							6			
145811	Low-power wireless networking for the Internet of Things	ING-INF/03	6	Car	2	1			Picco	Gian Pietro
							6			
145447	Advanced Computing Architectures	ING-INF/05	6	Aff	2	1			Passerone	Roberto
146232	High Performance Computing	ING-INF/05	6	Aff	2	1			Fiore	Sandro
							18			
	A scelta		18	Scelta	1-2	1-2				
Biomedical Engineering							12			
146233	Fundamentals of Bioengineering	ING-INF/06	6	Aff	1	2			Demi	Libertario
146234	Biomedical Signal Processing	ING-INF/03	6	Car	1	2			Demi	Libertario
							6			
146200	Digital Epidemiology	ING-INF/05	6	Aff	1	2			Tizzoni	Michele
146235	Digital Health Systems	ING-INF/05	6	Aff	1	2			Eccher	Claudio
							6			
145762	Ultrasound Technologies for Medical Applications	ING-INF/03	6	Car	2	1			Demi	Libertario
							6			
146236	Robotics for Biomedical Engineering	ING-INF/05	6	Aff	2	1			Palopoli	Luigi
146237	Sport Tech	ING-INF/05	6	Aff	2	1			Conci	Nicola
							18			
	A scelta		18	Scelta	1-2	1-2				
145665	Tirocinio		6	Altro	2	2				
146238	Thesis		24	Altro	2	2				
Area ICT INNOVATION CNI - offered to Double Degree students only							30			



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145936	Innovation and Entrepreneurship Basic	SECS-P/10	6	Car	1	1			Angeli	Lorenzo
146225	Networking (mod 1)	ING-INF/03	12	Car	1	1			Granelli	Fabrizio
	Networking (mod 2)								Granelli	Fabrizio
146069	Next Generation Networks	ING-INF/03	6	Car	1	1			Segata	Michele
145301	Project Course	ING-INF/03	6	Car	1	1			DISI Faculty	
							30			
145288	Business Development Laboratory	SECS-P/10	9	Aff	1	2			Formentini	Marco
145455	ICT Innovation	ING-INF/02	9	Car	1	2			Formentini	Marco
145771	Fog and Cloud Computing	ING-INF/05	6	Aff	1	2			Siracusa	Domenico
145462	Simulation and Performance Evaluation	ING-INF/03	6	Car	1	2			Casari	Paolo
							30			
145623	Innovation and Entrepreneurship Studies in ICT	ING-INF/05	6	Aff	2	1			Marchese	Maurizio
146228	Wireless Networking and Localization	ING-INF/03	6	Car	2	1			Casari	Paolo
	A scelta		18	Scelta	1-2	1-2				
							30			
	Tirocinio		6	Altro	2	2				
	Tesi		24	Altro	2	2				
Con riferimento ai corsi a scelta, selezionare preferibilmente 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	1-2		*	Centro Linguistico di Ateneo	
145091	Technical Writing	L- LIN /12	6	Scelta	1	1-2		**	Centro Linguistico di Ateneo	
145937	Introduction to Computer and Network security	INF/01	6	Scelta	1	1			Ranise	Silvio
145859	Natural Language Understanding	ING-INF/05	6	Scelta	1	2			Riccardi	Giuseppe
146170	Applied Natural Language Processing	ING-INF/05	6	Scelta	1	2			Staiano	Jacopo
146122	Ethics for computer science and engineering	SECS-P/07	6	Scelta	1	2			Brusseau	James
146219	Ethical Hacking	INF/01	6	Scelta	1	2			Crispo	Bruno
146221	Challenge-Based Activity	ING-INF/05	6	Scelta	1-2	1-2			DISI Faculty	
145301	Project course	ING-INF/03	6	Scelta	1-2	1-2			DISI Faculty	
145289	Research Project	ING-INF/05	12	Scelta	1-2	1-2			DISI Faculty	
146218	AI for Food Quality Control	ING-INF/03	6	Scelta	2	1			Melgani	Farid
146239	Network Intrusion and Anomaly detection with Machine Learning	ING-INF/05	6	Scelta	2	1			Doriguzzi Corin	Roberto
146317	Soft Skills Developments	ING-INF/05	6	Scelta	1-2	2			D'Andrea	Vincenzo
146304	Laboratory of Systems on Chip	ING-INF/01	6	Scelta	2	1			Tontini	Alessandro



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146305	Dispositivi Elettronici	ING-INF/01	6	Scelta	2	1		***	UniBZ	
145453	Data Mining - Tace nel 2024-25	ING-INF/05	6	Scelta	2	1			Tace nel 2024-25	

(*) 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 credits.

(***) 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 sovrapposibilità; 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/it/studiare/iscrizioni/documenti-e-attezzazioni/formazione-sicurezza-studenti-e-studentesse>