



Manifesto Laurea Triennale in Ingegneria Informatica, delle Comunicazioni ed Elettronica - Anno Accademico 2024-2025 (coorte 24-25 1° anno)

Percorso in inglese: *Computer, Communications and Electronic Engineering, a.y. 2024-2025*

The education activities laid out in the Regolamento Didattico to earn the degree include:

- (1) Mandatory courses for a total of 72 credits.
- (2) Cross-disciplinary courses for a total of 42 credits.
- (3) Elective courses characterizing each of the areas of Computer, Communications and Electronic Engineering, for a total of 36 credits.
- (4) Free-choice courses for a total of 12 credits.
- (5) Complementary education activities (English language, internship, final thesis) for a total of 18 credits.

The following table reports a standard proposed study plan to have a balanced number of CFUs in the six semesters.

Class of education activity	Year	Semester	Number of CFUs
(1) Mandatory courses	1	I	30
(1) Mandatory courses		II	30
(1) Mandatory courses	2	I	6
(2) Cross-disciplinary courses			24
(2) Cross-disciplinary courses	2	II	12
(3) Corsi caratterizzanti il percorso e/o Corsi a scelta			18
(2) Cross-disciplinary courses	3	I	6
(3) Corsi caratterizzanti il percorso e/o Corsi a scelta			24
(1) Mandatory courses	3	II	6
(3) Corsi caratterizzanti il percorso e/o Corsi a scelta			6
(5) Attività formative di completamento			18

AD Code ESSE3	CORSO	COURSES	SSD ACADEMIC DISCIPLINE	CFU CREDITS	TAF TRAINING ACTIVITY	ANNO YEAR	SEMESTRE SEMESTER	CREDITI DA SCEGLIERE CREDITS TO CHOOSE	LINGUA	NOTE NOTES	Docente TITOLARE COGNOME PROFESSOR	Docente TITOLARE NOME
Mandatory courses								72				
The following courses are mandatory												
146055	Calculus 1		MAT/05	12	Base/A1	1	1		INGL		Pugliese	Andrea
146056	Geometry and Linear Algebra		MAT/03	6	Base/A1	1	1		INGL		Occhetta	Gianluca
146140	Computer Programming 1		ING-INF/05	12	Base/A1	1	1		INGL		Marchetto	Alessandro
146141	Calculus 2		MAT/05	6	Base/A1	1	2		INGL	*	Wiygul Soresina	David Cinzia
146060	Probability		MAT/06	6	Affine	1	2		INGL		Bonaccorsi	Stefano
146061	Physics		FIS/01	12	Base/A2	1	2		INGL		Haase	Albrecht
146062	Computer Programming 2		INF/01	6	Affine	1	2		INGL		Marchese	Maurizio
146142	Physics 2		FIS/01	6	Base/A2	2	1		INGL		Hauke	Phillip

146143	Business Organization and Management	SECS-P/10	6	Affine	2	2		INGL	TBD		
(*) 140017 Calculus 2 - Esame propedeutico: 146055 Calculus 1											
Mandatory cross-disciplinary courses											
Computer Engineering											
							18				
146314	Processing systems (Module 1: Introduction to machine learning)	ING-INF/05	12	Caratt./B2	2	1		INGL	Iacca	Giovanni	
	Processing systems (Module 2: Computer Architectures)	ING-INF/05		Caratt./B2	2	2		INGL	Yildirim	Kasim Sinan	
145993	Databases	ING-INF/05	6	Caratt./B2	3	1		INGL	Siracusa	Domenico	
Communications Engineering											
							12				
146145	Fundamentals of communications (Module 1: Signal processing)	ING-INF/03	12	Caratt./B3	2	1		INGL	Sacchi	Claudio	
	Fundamentals of communications (Module 2: Networking)	ING-INF/03		Caratt./B3	2	1		INGL	Segata	Michele	
Electronic Engineering											
							12				
146146	Fundamentals of electronics (Module 1: Logic networks)	ING-INF/01	12	Caratt./B1	2	1		INGL	Velha	Philippe	
	Fundamentals of electronics (Module 2: Analog electronics)	ING-INF/01		Caratt./B1	2	2		INGL	Velha	Philippe	
Choose 12 credits for each of the following three areas											
							36				
Computer engineering area											
Select 12 credits from the following courses											
146147	Operating systems	ING-INF/05	12	Caratt./B2	2	2		INGL	Siracusa	Domenico	
146148	Software engineering	ING-INF/05	12	Caratt./B2	2	2		INGL	TBD		
146125	Advanced programming	ING-INF/05	6	Caratt./B2	3	1		INGL	Patrignani	Marco	
146130	Fundamentals of robotics	ING-INF/05	12	Caratt./B2	3	1		INGL	Palopoli	Luigi	
145996	Embedded Software for the Internet of Things	ING-INF/05	6	Caratt./B2	3	1		INGL	Yildirim	Kasim Sinan	
Communications Engineering Area											
Select 12 credits from the following courses											
146069	Next generation networks	ING-INF/03	6	Caratt./B3	3	1		INGL	Segata	Michele	
146135	Digital signal coding	ING-INF/03	6	Caratt./B3	3	1		INGL	Melgani	Farid	
146134	Vision and recognition	ING-INF/03	6	Caratt./B3	3	1		INGL	Conci	Nicola	
146311	Remote Sensing Systems and Image Analysis	ING-INF/03	6	Caratt./B3	3	1		INGL	Bruzzone	Lorenzo	
Electronic Engineering Area											
Select 12 credits from the following courses											
146138	Advanced logic design	ING-INF/01	6	Caratt./B1	2	2		INGL	Passerone	Roberto	
146163	Basics of optoelectronics	ING-INF/01	6	Caratt./B1	3	1		INGL	Velha	Philippe	
146198	High-Frequency Circuits for Systems-on-Chip	ING-INF/02	6	Caratt./B1	3	1		INGL	Lizzi	Leonardo	
146209	Introduction to Parallel Computing	ING-INF/01	6	Caratt./B1	3	1		INGL	Vella	Flavio	
146304	Laboratory of systems on chip	ING-INF/01	6	Caratt./B1	3	1		INGL	TBD		
146150	Digital electronic circuits	ING-INF/01	6	Caratt./B1	3	2		INGL	TBD		
							12				
Free-choice courses											
146070	Thesis/Prova finale								*		
							6				

