CORSO DI LAUREA MAGISTRALE IN ELECTRONIC ENGINEERING LM 29 - Ord. 2025

COORTE A.A. 2025/2026

ANNO DI CORSO	SEMESTRE	Nanoelectronics and Photonics	Electronics for energy	Integrated circuits	Biomedical and health care	Consumer electronics and domotics	Smart industry and automotive	INSEGNAMENTO	Numero programmato	LABORATORI	LINGUA DI EROGAZIONE INGLESE	SSD	CFU	ORE CORSO	Ingegneria elettronica	affini integrative	a scelta	prova finale	ulteriori conoscenze linguistiche	abilità informatiche	tirocini	altre conoscenze	comuni alla classe
								Caratterizzanti primo anno															
I	1	X	X	X	X	X	X	ANALOG ELECTRONICS			X	ING-INF/01	6	48	6								
I	1	X	X	X	X	X	X	ELECTRONIC MEASUREMENTS		52 ore DF + 2 turni da 20 ore LAB	X	ING-INF/07	9	72	9								
I	1	X	X	X	X	X	X	MICROWAVE DEVICES		66 ore DF + 5 turni da 6 ore LAB	X	ING-INF/02	9	72	9								
I	2	X	X	X	X	X	X	MICROELECTRONICS			X	ING-INF/01	9	72	9								
I	2	X	X	X	X	X	X	ANALOGUE INTEGRATED CIRCUIT DESIGN			X	ING-INF/01	9	72	9								
I	2	X	X	X	X	X	X	POWER ELECTRONICS		64 ore DF + 3 turni da 8 ore LAB	X	ING-INF/01	9	72	9								
I	2	o						MICROELECTRONICS AND GEOPOLITICS			X	ING-INF/01	9	72	nove								
								Caratterizzanti secondo anno							18		9						
II	1	X	o			o	X	OPTOELECTRONIC AND PHOTOVOLTAIC DEVICES		62 ore DF + 2 turni da 10 ore LAB	X	ING-INF/01	9	72	nove								
II	1			X	X	X	o	INTEGRATED CIRCUITS FOR SIGNAL PROCESSING		54 ore DF + 2 turni da 18 ore LAB	X	ING-INF/01	9	72	nove								
II	1		X				o	POWER ELECTRONICS DESIGN			X	ING-INF/01	9	72	nove								
II	1		o	o	o		o	ELECTROMAGNETIC COMPATIBILITY			X	ING-INF/07	9	72	nove								
II	1		o	o				ANALOG ELECTRONICS DESIGN	~~18~~		X	ING-INF/01	9	72	nove								
II	1	X						NANOELECTRONICS			X	ING-INF/01	6	48	sei								
II	1	o				o	X	QUALITY AND RELIABILITY IN ELECTRONICS		64 ore DF + 2 turni da 8 ore LAB	X	ING-INF/01	9	72	nove								
II	1			X	o	o		RADIOFREQUENCY INTEGRATED CIRCUITS DESIGN			X	ING-INF/01	9	72	nove								
II	1	o						NANOPHOTONICS AND METASURFACES			X	ING-INF/02	6	48	sei								
II	1				X			BIOSENSORS			X	ING-INF/01	~~9~~	72	nove								
~~II~~	~~1~~	~~-~~	~~-~~	~~-~~	~~X~~	~~-~~	~~-~~	~~BIOSENSORS 1~~			~~X~~	~~ING-INF/01~~	~~6~~	~~48~~	~~sei~~								
~~II~~	~~2~~	~~-~~	~~-~~	~~-~~	~~o~~	~~-~~	~~-~~	~~BIOSENSORS 2~~			~~X~~	~~ING-INF/01~~	~~6~~	~~48~~	~~sei~~								
II	2				o			WEARABLE SENSING DESIGN FOR HEALTHCARE			X	ING-INF/07	9	72	nove								
II	1	o			o			BIOPHOTONICS			X	ING-INF/02	6	48	sei								
II	2					X	o	AUTOMOTIVE AND DOMOTICS			X	ING-INF/01 (5 CFU), ING-INF/07 (4 CFU)	9	72	nove								
II	2			o		o		DIGITAL CIRCUITS FOR NEURAL NETWORKS			X	ING-INF/01	9	72	nove								
II	1		X					SMART GRIDS			X	ING-INF/01	6	48	sei								
II	2			o		o		ANTENNAS AND WIRELESS PROPAGATION			X	ING-INF/02	9	72	nove								
II	2	o				o		ORGANIC AND MOLECULAR ELECTRONICS			X	ING-INF/01	6	48	sei								
								Affini								12							
~~I~~	~~1~~	~~-~~	~~-~~	~~o~~	~~-~~	~~o~~	~~o~~	~~DIGITAL SIGNAL PROCESSING~~			~~X~~	~~ING-INF/03~~	~~6~~	~~48~~		~~sei~~							
I	1			o		o	o	COMPUTER VISION			X	ING-INF/03	6	48		sei							
I	2					o	o	~~ICT FOR INDUSTRIAL APPLICATIONS~~			X	ING-INF/03	6	48		sei							
I	1		o					SYSTEMS THEORY			X	ING-INF/04	9	72		nove							
I	1		o	o			o	DIGITAL CONTROL			X	ING-INF/04	6	48		sei							
I	2		o					INDUSTRIAL AUTOMATION			X	ING-INF/04	9	72		nove							
I	1	o						PHYSICS AND OPTICS AT THE NANOSCALE			X	FIS/03	6	48		sei							
I	2			o	o			MACHINE LEARNING FOR BIOENGINEERING			X	ING-INF/06	6	48		sei							
II	2				o			BIOMEDICAL WEARABLE TECHNOLOGIES FOR HEALTHCARE AND WELLBEING			X	ING-INF/06	6	48		sei							
II	1				o			CONTROL OF BIOLOGICAL SYSTEMS			x	ING-INF/06	6	48		sei							
II	1			o		o		INTERNET OF THINGS AND SMART CITIES			X	ING-INF/03	6	48		sei							
II	2		o					CONTROL ENGINEERING LABORATORY		56 ore DF + 2 turni da 16 ore LAB	X	ING-INF/04	9	72		nove							
II	1				o			IMAGING FOR NEUROSCIENCE			X	ING-INF/06	6	48		sei							
II	1	o						QUANTUM OPTICS AND LASER			X	FIS/03	6	48		sei							
II	1		o					MODELLING AND CONTROL OF ELECTRIC DRIVES			X	ING-IND/32	9	72		nove							
II	1		o			o		ELECTROCHEMICAL ENERGY STORAGE TECHNOLOGIES			X	CHIM/07	6	48		sei							
II	2	o					o	INDUSTRIAL APPLICATIONS OF IONIZING RADIATION SOURCES			X	FIS/01	6	48		sei							
II	2	o						QUANTUM TECHNOLOGIES			X	FIS/03	6	48		sei							
		X	X	X	X	X	X	**Una delle seguenti attività in alternativa**													9		
II	A							INTERNSHIP			X		9	225							nove		
II	A							RESEARCH TRAINING			X		9	225							nove		
								Ulteriori attività obbligatorie															
I	A	X	X	X	X	X	X	FINAL PROJECT			X		21	525				21					
															69	12	9	21	0	0	9	0	120

OFF F	69	12	9	21			9		
RAD	54	12	9	18	3				
2025	72	24	15	30	0-6	0-3	0-9	0-3	