

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

COORTE A.A. 2026/2027

ANNO DI CORSO	SEMESTRE	Nanoelectronics and Photonics						INSEGNAMENTO	CANALIZZAZIONE	LABORATORI	LINGUA DI EROGAZIONE INGLESE	SSD	SSD nuovi	CFU	ORE CORSO	Ingegneria elettronica	affini integrative	a scelta	prova finale	ulteriori conoscenze linguistiche	abilità informatiche	tirocini	altre conoscenze
		Electronics for energy	Integrated circuits	Biomedical and health care	Electronics and Artificial intelligence systems	Smart industry and automotive																	
Caratterizzanti primo anno																							
I	1	X	X	X	X	X	X	ANALOG ELECTRONICS			X	ING-INF/01	IINF-01/A	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	IMIS-01/B	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	IINF-02/A	9	72	9								
I	2	X	X	X	X	X	X	MICROELECTRONICS		X	ING-INF/01	IINF-01/A	9	72	9								
I	2	X	X	X	X	X	X	ANALOGUE INTEGRATED CIRCUIT DESIGN		X	ING-INF/01	IINF-01/A	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	IINF-01/A	9	72	9								
I	2	o						MICROELECTRONICS AND GEOPOLITICS		X	ING-INF/01	IINF-01/A	9	72	nove								
Caratterizzanti secondo anno																							
II	1	X	o				o	OPTOELECTRONIC AND PHOTOVOLTAIC DEVICES	62 ore DF + 2 turni da 10 ore LAB	X	ING-INF/01	IINF-01/A	9	72	nove		9						
II	1			X	X		o	INTEGRATED CIRCUITS FOR SIGNAL PROCESSING	54 ore DF + 2 turni da 18 ore LAB	X	ING-INF/01	IINF-01/A	9	72	nove								
II	1		X				o	POWER ELECTRONICS DESIGN		X	ING-INF/01	IINF-01/A	9	72	nove								
II	1		o	o	o			ELECTROMAGNETIC COMPATIBILITY		X	ING-INF/07	IMIS-01/B	9	72	nove								
II	1		o	o				ANALOG ELECTRONICS DESIGN		X	ING-INF/01	IINF-01/A	9	72	nove								
II	1	X						NANOELECTRONICS		X	ING-INF/01	IINF-01/A	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	IINF-01/A	9	72	nove								
II	1			X	o	o		RADIOFREQUENCY INTEGRATED CIRCUITS DESIGN		X	ING-INF/01	IINF-01/A	9	72	nove								
II	1	o						NANOPHOTONICS AND METASURFACES		X	ING-INF/02	IINF-02/A	6	48	sei								
II	1			X				BIOSENSORS		X	ING-INF/01	IINF-01/A	9	72	nove								
II	2				o			WEARABLE SENSING DESIGN FOR HEALTHCARE		X	ING-INF/07	IMIS-01/B	9	72	nove								
II	1	o						BIOPHOTONICS		X	ING-INF/02	IINF-02/A	6	48	sei								
II	2				X	o		AUTOMOTIVE AND DOMOTICS		X	ING-INF/01 (5 CFU), ING-INF/07 (4 CFU)	IINF-01/A (5 CFU)	9	72	nove								
II	2		o		X			DIGITAL CIRCUITS FOR NEURAL NETWORKS		X	ING-INF/01	IINF-01/A	9	72	nove								
II	1		X					SMART GRIDS		X	ING-INF/01	IINF-01/A	6	48	sei								
II	2		o		o			ANTENNAS AND WIRELESS PROPAGATION		X	ING-INF/02	IINF-02/A	9	72	nove								
II	2	o						ORGANIC AND MOLECULAR ELECTRONICS		X	ING-INF/01	IINF-01/A	6	48	sei								
II	1					o		SENSING AND MEASUREMENT SYSTEMS		X	ING-INF/07	IMIS-01/B	9	72	nove								
Affini																							
I	2		o		o			DEEP LEARNING	3 (A+B+C)	X	ING-INF/05	IINF-05/A	6	48	sei								
I	1				o	o		MACHINE LEARNING	3 (A+B+C)	X	ING-INF/05	IINF-05/A	6	48	sei								
I	1		o		o	o		COMPUTER VISION		X	ING-INF/03	IINF-03/A	6	48	sei								
I	1		o					SYSTEMS THEORY		X	ING-INF/04	IINF-04/A	9	72	nove								
I	1		o	o			o	DIGITAL CONTROL		X	ING-INF/04	IINF-04/A	6	48	sei								
I	1		o					INDUSTRIAL AUTOMATION		X	ING-INF/04	IINF-04/A	9	72	nove								
I	1	o						PHYSICS AND OPTICS AT THE NANOSCALE		X	FIS/03	PHYS-03/A	6	48	sei								
I	2		o	o				MACHINE LEARNING FOR BIOENGINEERING		X	ING-INF/06	IBIO-01/A	6	48	sei								
II	2			o				BIOMEDICAL WEARABLE TECHNOLOGIES FOR HEALTHCARE AND WELLBEING		X	ING-INF/06	IBIO-01/A	6	48	sei								
II	1			o				CONTROL OF BIOLOGICAL SYSTEMS		X	ING-INF/06	IBIO-01/A	6	48	sei								
II	1		o		o			INTERNET OF THINGS AND SMART CITIES		X	ING-INF/03	IINF-03/A	6	48	sei								
II	2	o						CONTROL ENGINEERING LABORATORY	56 ore DF + 2 turni da 16 ore LAB	X	ING-INF/04	IINF-04/A	9	72	nove								
II	1			o				IMAGING FOR NEUROSCIENCE		X	ING-INF/06	IBIO-01/A	6	48	sei								
II	1	o						QUANTUM OPTICS AND LASER	42h ore DF + 6hx2 turni lab	X	FIS/03	PHYS-03/A	6	48	sei								
II	1	o						MODELLING AND CONTROL OF ELECTRIC DRIVES		X	ING-IND/32	IIND-08/A	9	72	nove								
II	1	o						ELECTROCHEMICAL ENERGY STORAGE TECHNOLOGIES		X	CHIM/07	CHEM-06/A	6	48	sei								
II	2	o				o		INDUSTRIAL APPLICATIONS OF IONIZING RADIATION SOURCES		X	FIS/01	PHYS-01/A	6	48	sei								
II	2	o						QUANTUM TECHNOLOGIES		X	FIS/03	PHYS-03/A	6	48	sei								
Una delle seguenti attività in alternativa																							
II	A		X	X	X	X	X	INTERNSHIP		X			9	225							9		
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					

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