

**CORSO DI LAUREA MAGISTRALE IN COMPUTER ENGINEERING LM 32 - Ord. 2025**  
**COORTE A.A. 2026/2027**

**Curriculum: Artificial intelligence**

ANNO DI CORSO	SEMESTRE	OBBLIGATORIO	INSEGNAMENTO	CANALIZZAZIONE	LABORATORI	LINGUA DI EROGAZIONE INGLESE	SSD	SSD nuovi	CFU	ORE CORSO EROGATE	ingegneria informatica	affini integrative	a scelta	prova finale	ulteriori conoscenze linguistiche	abilità informatiche	tirocini	altre conoscenze
<b>INSEGNAMENTI OBBLIGATORI PER IL CURRICULUM</b>																		
I	1	X	Automata, Languages and Computation			X	ING-INF/05	IINF-05/A	6	48	6							
I	1	X	Foundations of Artificial Intelligence	2 canali		X	6 CFU ING-INF/05 + 3 CFU INF/01	6 CFU IINF-05/A + 3 CFU INFO-01/A	9	72	6	3						
I	1	X	Machine Learning	3 canali		X	6 CFU ING-INF/05 + 3 CFU INF/01	6 CFU IINF-05/A + 3 CFU INFO-01/A	9	72	6	3						
I	2	X	Deep Learning	3 canali		X	ING-INF/05	IINF-05/A	6	48	6							
I	2	X	High Performance Computing			X	ING-INF/05	IINF-05/A	6	48	6							
I	2	X	Computer Vision		54 lez.+18 lab (2 turni)	X	6 CFU ING-INF/05 + 3 CFU INF/01	6 CFU IINF-05/A + 3 CFU INFO-01/A	9	72	6	3						
II	1	X	Reinforcement Learning	2 canali		X	3 CFU ING-INF/05 + 3 CFU INF/01	3 CFU IINF-05/A + 3 CFU INFO-01/A	6	48	3	3						
II	1	X	Natural Language Processing			X	ING-INF/05	IINF-05/A	6	48	6							
<b>INSEGNAMENTI A SCELTA VINCOLATA (18 CFU):</b>																		
I	2		Recommender Systems			X	ING-INF/05	IINF-05/A	6	48	6							
I	2		Computational Creativity, Music Computing and Multimedia Technology			X	ING-INF/05	IINF-05/A	6	48	6							
II	1		Agentic Artificial Intelligence for Information Access			X	ING-INF/05	IINF-05/A	6	48	6							
II	1		Learning from Networks			X	ING-INF/05	IINF-05/A	6	48	sei							
II	1		Autonomous Robotics			X	ING-INF/05	IINF-05/A	6	48	sei							
<b>INSEGNAMENTI PER LA SCELTA :</b>																		
I	1		Operations Research 1			X	MAT/09	MATH-06/A	9	72		nove						
I	1		Quality Engineering			X	ING-INF/07	IMIS-01/B	6	48		sei						
I	1		Innovation, entrepreneurship and finance			X	ING-IND/35	IEGE-01/A	6	48		sei						
I	2		Digital Circuits for Neural Networks			X	ING-INF/01	IINF-01/A	9	72		sei						
II	1		Machine Learning Systems			X	ING-INF/05	IINF-05/A	6	48	sei							
II	2		Responsible Artificial Intelligence			X	ING-INF/05	IINF-05/A	6	48	sei							
II	2		Operations Research 2			X	MAT/09	MATH-06/A	6	48		sei						
I		X	Fully elective credits - A scelta						12	96			12					
I	A	(2)	English language B2 (productive skills)			X			3	75					3			
I	A	(2)	Italian language (A2)						3	75					tre			
II	A	(1)	Internship			X			9	225							9	
II	A	(1)	Research training			X			9	225							nove	
I	A	X	Final Project			X			21	525				21				

(1) uno a scelta (2) uno a scelta

RAD 2025

minimi	45	12	9	18	3			
massimi	72	36	15	30	0-6	0-0	0-9	0-3

63    12    12    21    3    0    9    0

**CORSO DI LAUREA MAGISTRALE IN COMPUTER ENGINEERING LM 32 - Ord. 2025**

**COORTE A.A. 2026/2027**

**Curriculum: Intelligent Data Engineering and Algorithms**

ANNO DI CORSO	SEMESTRE	OBBLIGATORIO	INSEGNAMENTO	CANALIZZAZIONE	LABORATORI	LINGUA DI EROGAZIONE INGLESE	SSD	SSD nuovi	CFU	ORE CORSO	ingegneria informatica	affini integrative	a scelta	prova finale	ulteriori conoscenze linguistiche	abilità informatiche	tirocini	altre conoscenze
<b>INSEGNAMENTI OBBLIGATORI</b>																		
I	1	X	Operations Research 1			X	MAT/09	MATH-06/A	6	48		6						
I	1	X	Machine Learning	3 canali		X	6 CFU ING-INF/05 + 3 CFU INF/01	6 CFU IINF-05/A + 3 CFU INFO-01/A	9	72	6	3						
I	2	X	Web Frameworks			X	ING-INF/05	IINF-05/A	6	48	6							
II	1	X	Advanced Algorithm Design			X	6 CFU ING-INF/05, 3 CFU INF/01	6 CFU IINF-05/A + 3 CFU INFO-01/A	9	72	6	3						
<b>PRIMO GRUPPO DI INSEGNAMENTI A SCELTA VINCOLATA (24 CFU);</b>																		
<b>Pacchetto DATA</b>																		
I	2		Recommender Systems			X	ING-INF/05	IINF-05/A	6	48	6							
I	2		Search Engines			X	ING-INF/05	IINF-05/A	6	48	6							
II	1		Graph Databases			X	ING-INF/05	IINF-05/A	6	48	6							
II	1		Agentic Artificial Intelligence for Information Access			X	ING-INF/05	IINF-05/A	6	48	6							
<b>Pacchetto COMPUTING</b>																		
I	1		Automata, Languages and Computation			X	ING-INF/05	IINF-05/A	6	48	sei							
I	2		Deep Learning	3 canali		X	ING-INF/05	IINF-05/A	6	48	sei							
I	2		Mining of Big Data	2 canali		X	ING-INF/05	IINF-05/A	6	48	sei							
II	1		Learning from Networks			X	ING-INF/05	IINF-05/A	6	48	sei							
<b>SECONDO GRUPPO DI INSEGNAMENTI A SCELTA VINCOLATA (21 CFU);</b>																		
<b>Pacchetto BIOINFORMATICS</b>																		
I	2		Bioinformatics			X	ING-INF/05	IINF-05/A	9	72	9							
II	1		Computational Genomics			X	ING-INF/05	IINF-05/A	6	48	6							
II	2		Learning from Sequences			X	ING-INF/05	IINF-05/A	6	48	6							
<b>Pacchetto HIGH PERFORMANCE COMPUTING and MULTIMEDIA</b>																		
I	2		High Performance Computing			X	ING-INF/05	IINF-05/A	9	48	nove							
II	1		Natural Language Processing			X	ING-INF/05	IINF-05/A	6	48	sei							
II	2		Computational Creativity, Music Computing and Multimedia Technology			X	ING-INF/05	IINF-05/A	6	48	sei							
<b>Pacchetto NETWORKING</b>																		
I	1		Software Platforms			X	ING-INF/05	IINF-05/A	6	48	sei							
I	2		Computer Networks			X	ING-INF/05	IINF-05/A	9	72	nove							
II	2		Computers and Networks Security			X	ING-INF/05	IINF-05/A	6	48	sei							
<b>INSEGNAMENTI PER LA SCELTA:</b>																		
I	1		Quality Engineering			X	ING-INF/07	IMIS-01/B	6	48		sei						
I	1		Inferential Statistics			X	SECS-S/01	STAT-01/A	6	48		sei						
II	1		Privacy Preserving Information Access			X	ING-INF/05	IINF-05/A	6	48	sei							
II	1		Advanced Text Analytics			X	ING-INF/05	IINF-05/A	6	48	sei							
II	1		Game Theory			X	3 CFU ING-INF/03, 3 CFU INF/01	3 CFU IINF-03/A, 3 CFU INFO-01/A	6	48		tre+tre						
II	1		Distributed Systems			X	ING-INF/05	IINF-05/A	6	48	sei							
II	2		Information Security			X	ING-INF/03	IINF-03/A	6	48		sei						
II	2		Operations Research 2			X	MAT/09	MATH-06/A	6	48		sei						
II	2		Stochastic Processes			X	ING-INF/03	IINF-03/A	6	48		sei						
I		X	Fully elective credits - A scelta						12	96			12					
I	A	(2)	English language B2 (productive skills)			X			3	75					3			
I	A	(2)	Italian language (A2)						3	75					tre			
II	A	(1)	Internship			X			9	225							9	
II	A	(1)	Research training			X			9	225							nove	
I	A	X	Final Project			X			21	525				21				

63    12    12    21    3    0    9    0

(1) uno a scelta (2) a scelta

RAD 2025

minimi	45	12	9	18	3			
massimi	72	36	15	30	0-6	0-0	0-9	0-3

**CORSO DI LAUREA MAGISTRALE IN COMPUTER ENGINEERING LM 32 - Ord. 2025**

**COORTE A.A. 2026/2027**

**Curriculum: Intelligent Robotics**

ANNO DI CORSO	SEMESTRE	OBBLIGATORIO	INSEGNAMENTO	CANALIZZAZIONE	LABORATORI	LINGUA DI EROGAZIONE INGLESE	SSD	SSD nuovi	CFU	ORE CORSO	ingegneria informatica	affini integrative	a scelta	prova finale	ulteriori conoscenze linguistiche	abilità informatiche	tirocini	altre conoscenze
<b>INSEGNAMENTI OBBLIGATORI</b>																		
I	1	X	Foundations of Artificial Intelligence	2 canali		X	6 CFU ING-INF/05 + 3 CFU INF/01	6 CFU IINF-05/A + 3 CFU INFO-01/A	9	72	6	3						
I	1	X	Machine Learning	3 canali		X	6 CFU ING-INF/05 + 3 CFU INF/01	6 CFU IINF-05/A + 3 CFU INFO-01/A	9	72	6	3						
I	2	X	Computer Vision		54 lez.+18 lab (2 turni)	X	6 CFU ING-INF/05 + 3 CFU INF/01	6 CFU IINF-05/A + 3 CFU INFO-01/A	9	72	6	3						
II	1	X	Reinforcement Learning	2 canali		X	3 CFU ING-INF/05 + 3 CFU INF/01	3 CFU IINF-05/A + 3 CFU INFO-01/A	6	48	3	3						
II	1	X	Autonomous Robotics			X	ING-INF/05	IINF-05/A	9	72	9							
II	1	X	Industrial Robotics			X	ING-IND/13	IIND-02/A	9	72		9						
II	2	X	3D Vision				ING-INF/05	IINF-05/A	6	48	6							
<b>INSEGNAMENTI A SCELTA VINCOLATA (18 CFU);</b>																		
I	1		Automata, Languages and Computation			X	ING-INF/05	IINF-05/A	6	48	6							
I	1		Industrial Automation			X	ING-INF/04	IINF-04/A	9	72	nove							
I	2		Deep Learning	3 canali		X	ING-INF/05	IINF-05/A	6	48	6							
I	2		Robotics and Control			X	ING-INF/04	IINF-04/A	9	72	nove							
II	1		Natural Language Processing			X	ING-INF/05	IINF-05/A	6	48	6							
II	1		Neurorobotics			X	ING-INF/05	IINF-05/A	6	48	sei							
II	1		Mobile and Network Robotics			X	ING-INF/04	IINF-04/A	9	72	nove							
II	1		Embedded Real-Time Control			X	ING-INF/04	IINF-04/A	6	48	sei							
II	2		Human-Robot Interaction			X	ING-INF/05	IINF-05/A	6	48	sei							
<b>INSEGNAMENTI PER LA SCELTA:</b>																		
I	1		Quality Engineering			X	ING-INF/07	IMIS-01/B	6	48		sei						
I	1		Innovation, entrepreneurship and finance			X	ING-IND/35	IEGE-01/A	6	48		sei						
II	1		Measurement Architectures for Cyber-physical Systems		54 ore DF + 1 turno da 18 ore LAB	X	ING-INF/07	IMIS-01/B	9	72		nove						
II	1		Game Theory			X	3 CFU ING-INF/03, 3 CFU INF/01	3 CFU IINF-03/A + 3 CFU INFO-01/A	6	48		tre+tre						
II	1		Distributed Systems			X	ING-INF/05	IINF-05/A	6	48	sei							
II	2		Operations Research 2			X	MAT/09	MATH-06/A	6	48		sei						
I		X	Fully elective credits - A scelta						12	96			12					
I	A	(2)	English language B2 (productive skills)			X			3	75					3			
I	A	(2)	Italian language (A2)						3	75					tre			
II	A	(1)	Internship			X			9	225							9	
II	A	(1)	Research training			X			9	225							nove	
I	A	X	Final Project			X			21	525				21				
											<b>54</b>	<b>21</b>	<b>12</b>	<b>21</b>	<b>3</b>	<b>0</b>	<b>9</b>	<b>0</b>

(1) uno a scelta (2) a scelta

RAD 2025

minimi	45	12	9	18	3			
massimi	72	36	15	30	0-6	0-0	0-9	0-3