

Manifesto degli Studi del Corso di Laurea Magistrale in Informatica

Classe delle lauree in Informatica – Classe LM-18

A.A. 2024-2025

Insegnamento o attività formativa	Modulo	Seme stre	CFU	SSD	Tipologia (*)	Propedeuticità
I anno						
Advanced databases	DB Technologies	1	6	INF/01	2	
	NoSQL	2	6	INF/01		
Machine Learning	Neural networks and deep learning	1	6	INF/01	2	
	Statistical Learning	2	6	INF/01		
Operating systems for mobile, cloud and IoT		1	6	INF/01	2	
Parallel and distributed computing (*)		1	6	INF/01	2	
Logic for computer science		2	6	M-FIL/02	4	
Computational complexity		2	6	INF/01	2	
Esami a libera scelta (vedi Tab.B)			6		3	
Esami a scelta vincolata (Tab. A)			6		2	
II anno						
Intelligent web		1	6	INF/01	2	
Operation research (**)		1	6	MAT/09	4	
Esami a scelta vincolata (Tab. A)			6			
Esami a libera scelta (vedi Tab.B)			12		3	
Altre attività formative			1		6	
Prova finale			29		5	

Note:

(*) Se già sostenuto alla triennale, sostituzione obbligatoria con “*Parallel High Performance Computing: tools, algorithms and software*”

(**) Se già sostenuto alla triennale, sostituzione obbligatoria con “*Combinatorial optimization*”.

Tabella A: Esami a scelta vincolata

Scelta	Insegnamenti	SSD	CFU	Anno	Semestre
Artificial Intelligence	Methods for Artificial Intelligence	INF/01	6	I	2
	Computer vision	INF/01	6	II	1
Data science	Data analytics	ING-INF/03	6	I	1
	Algorithm design	INF/01	6	II	2
Security and privacy	Biometric systems	INF/01	6	I	2
	Security and privacy	INF/01	6	II	1
Computer games	Game design and development	INF/01	6	I	1
	Computer graphics	INF/01	6	II	2
Reliable software systems	Software project management and evolution	INF/01	6	I	1
	Automated Software Verification	INF/01	6	II	2

Tabella B: Esami a libera scelta coerenti con gli obiettivi formativi del Corso di Studi (i cui CFU sono pienamente riconosciuti senza previa delibera della Commissione di Coordinamento Didattico)

Materie a scelta Tabella B	SSD	CFU	Semes- tre	Propedeuticità	Mutuazione da
Algorithm design	INF/01	6	2		
Automated software verification	INF/01	6	2		
Bioinformatics	INF/01	6	2		
Biometric systems	INF/01	6	2		
Calcolo numerico	MAT/08	6	2		LT informatica L31
Combinatorial optimization	MAT/09	6	2	Operations research	
Computer forensics	INF/01	6	2		
Computer graphics	INF/01	6	2		
Computer vision	INF/01	6	1		
Data analytics	ING- INF/03	6	1		
Encoding and encryption	INF/01	6	1		
Formal methods for strategic reasoning	INF/01	6	1		
Game design and development	INF/01	6	1		
Game engines and interactive experience	INF/01	6	2		
Human-Robot interaction	INF/01	6	1		
Intelligent robotics	INF/01	6	2		
Istituzioni di matematica 2	MAT/05	6	1		LT ottica e optometria
Linguaggi di programmazione II	INF/01	6	2		LT informatica L31
Mathematics for cryptography	MAT/05	6	1		
Methods for Artificial Intelligence	INF/01	6	2		
Multimedia information systems	INF/01	6	2		
Natural language processing	INF/01	6	2		
Network security	ING- INF/05	6	1		LM-32 ING-INF
Parallel High Performance Computing: tools, algorithms and software	INF/01	6	2		
Scientific computing	MAT/08	6	1		
System Security	ING- INF/05	6	1		LM-32 ING-INF
Security and privacy	INF/01	6	1		
Social, ethical, and psychological issues in AI	INF/01	6	1		
Software project management and evolution	INF/01	6	2		
Software testing	ING- INF/05	6	1		LM-32 ING-INF
Tecnologie Web	INF/01	6	2		LT informatica

(*) Legenda delle tipologie delle attività formative ai sensi del DM 270/04

Attività formativa	1	2	3	4	5	6	7
rif. DM270/04	Art. 10 comma 1, a)	Art. 10 comma 1, b)	Art. 10 comma 5, a)	Art. 10 comma 5, b)	Art. 10 comma 5, c)	Art. 10 comma 5, d)	Art. 10 comma 5, e)