

Manifesto degli Studi del Corso di Laurea Magistrale in Informatica

Classe delle lauree in Informatica – Classe LM-18

A.A. 2026-2027

Insegnamento o attività formativa	Modulo	Seme stre	CFU	SSD	Tipologia (*)	Propedeuticità
I anno						
Advanced databases	DB Technologies	1	6	INFO-01/A INF/01	2	
	NoSQL	2	6	INFO-01/A INF/01		
Machine Learning	Neural networks and deep learning	1	6	INFO-01/A INF/01	2	
	Statistical Learning	2	6	INFO-01/A INF/01		
Operating systems for mobile, cloud and IoT		1	6	INFO-01/A INF/01	2	
Parallel and distributed computing (*)		1	6	INFO-01/A INF/01	2	
Logic for computer science		2	6	INFO-01/A INF/01	4	
Computational complexity		2	6	INFO-01/A INF/01	2	
Esami a libera scelta (vedi Tab.B)		1/2	6		3	
Esami a scelta vincolata (Tab. A)		1/2	6		2	
II anno						
Intelligent web		1	6	INFO-01/A INF/01	2	
Operation research (**)		1	6	MATH-06/A 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	INFO-01/A INF/01	6	I	2
	Computer vision	INFO-01/A INF/01	6	II	1
Data science	Data analytics	IINF-03/A ING-INF/03	6	I	1
	Algorithm design	INFO-01/A INF/01	6	II	2
Security and privacy	Biometric systems	INFO-01/A INF/01	6	I	2
	Security and privacy	INFO-01/A INF/01	6	II	1
Computer games	Game design and development	INFO-01/A INF/01	6	I	1
	Computer graphics	INFO-01/A INF/01	6	II	2
Reliable software systems	Software project management and evolution	INFO-01/A INF/01	6	I	2
	Automated Software Verification	INFO-01/A INF/01	6	II	1

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	Seme- stre	Propedeuticità	Mutuazione da
Algorithm design	INFO-01/A INF/01	6	2		
Automated software verification	INFO-01/A INF/01	6	1		
Bioinformatics	INFO-01/A INF/01	6	2		
Biometric systems	INFO-01/A INF/01	6	2		
Calcolo numerico	MATH- 05/A MAT/08	6	2		LT informatica
Combinatorial optimization	MATH- 06/A MAT/09	6	2	Operations research	
Computer forensics	INFO-01/A INF/01	6	2		
Computer graphics	INFO-01/A INF/01	6	1		
Computer vision	INFO-01/A INF/01	6	1		
Data analytics	IINF-03/A ING-INF/03	6	1		
Diritto dell'informatica	GIUR-17/A IUS/20	6	1		LT Informatica

Encoding and encryption	INFO-01/A INF/01	6	1		
Formal methods for strategic reasoning	INFO-01/A INF/01	6	1		
Game design and development	INFO-01/A INF/01	6	1		
Game engines and interactive experience	INFO-01/A INF/01	6	2		
Generative AI	INFO-01/A INF/01	6	1		LM-DS
Human-Robot interaction	INFO-01/A INF/01	6	1		
Intelligent robotics	INFO-01/A INF/01	6	2		
Istituzioni di matematica 2	MATH-03/A MAT/05	6	1		LT ottica e optometria
Mathematics for cryptography	MATH-03/A MAT/05	6	1		
Methods for Artificial Intelligence	INFO-01/A INF/01	6	2		
Multimedia information systems	INFO-01/A INF/01	6	2		
Natural language processing	INFO-01/A INF/01	6	2		
Network security	IINF-05/A ING-INF/05	6	1		LM-32 ING-INF
Parallel High Performance Computing: tools, algorithms and software	INFO-01/A INF/01	6	2		
Scientific computing	MATH-05/A MAT/08	6	1		
System Security	IINF-05/A ING-INF/05	6	1		LM-32 ING-INF
Security and privacy	INFO-01/A INF/01	6	1		
Social, ethical, and psychological issues in AI	INFO-01/A INF/01	6	1		
Software project management and evolution	INFO-01/A INF/01	6	2		
Software testing	IINF-05/A ING-INF/05	6	1		LM-32 ING-INF
Strutture algebriche per l'Informatica	MATH-02/A MAT/02	6	1		

(*) 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)