

MASTER					
Course	Semester	Teachers	Language	Max ECTS	Degree course
3d video games	Second	Tarini Marco	English	6	Master Computer Science
Advanced intelligent systems	First	Borghese Nunzio Alberto	Italian	6	Master Computer Science
Advanced programming	First	Cazzola Walter	Italian	6	Master Computer Science
Advanced programming techniques	First	Cazzola Walter	Italian	6	Master Computer Science
Advances in operating systems	Second	Bruschi Danilo Mauro	Italian	6	Master Computer Science
Algorithms and complexity	First	Boldi Paolo	Italian	6	Master Computer Science
Algorithms for massive datasets	Second	Malchiodi Dario	English	6	Master Computer Science
Architectures for big data	First	Condorelli Andrea	English	6	Master Computer Science
Artificial vision	Second	Lanzarotti Raffaella, Pedersini Federico	Italian	6	Master Computer Science
Audio pattern recognition	First	Ntalampiras Stavros	English	6	Master Computer Science
Bioinformatics	Second	Valentini Giorgio	English	6	Master Computer Science
Biometric systems	First	Scotti Fabio	Italian	6	Master Informatics Security
Business information systems	Second	Ceravolo Paolo	English	6	Master Computer Science
Business process engineering	Second	Gianini Gabriele	English	6	Master Computer Science
Complements of security and privacy	Second	De Capitani Di Vimercati Sabrina	Italian	6	Master Informatics Security
Computing education	Second	Morpurgo Anna Chiara Giovanna, Lonati Violetta	Italian	6	Master Computer Science
Development of applications for mobile devices	Second	Mascetti Sergio	Italian	6	Master Computer Science
Digital citizenship and civic activism	First	Trentini Andrea Mario, De Cindio Fiorella	Italian	6	Master Computer Science
Distributed and pervasive systems	Second	Bettini Claudio	English	6	Master Computer Science
Formal language theory	Second	Pighizzini Giovanni	Italian	6	Master Computer Science
Formal methods	First	Momigliano Alberto	Italian	6	Master Computer Science

Gpu computing	Second	Grossi Giuliano	Italian	6	Master Computer Science
Graph theory	Second	Cesa Bianchi Nicolo' Antonio	Italian	6	Master Computer Science
Heuristic algorithms	First	Cordone Roberto	English	6	Master Computer Science
Information management	Second	Foresti Sara, Livraga Giovanni	English	6	Master Informatics Security
Information management	Second	Foresti Sara, Livraga Giovanni	English	6	Master Computer Science
Information retrieval	Second	Ferrara Alfio	English	6	Master Computer Science
Intelligent systems for industry, supply chain and environment	Second	Scotti Fabio	English	6	Master Computer Science
Logic	First	Ciriani Valentina	Italian	6	Master Informatics Security
Mathematical logic	Second	Aguzzoli Stefano	English	6	Master Computer Science
Mathematical logic	Second	Aguzzoli Stefano, Fiorentini Camillo	Italian	6	Bachelor Computer Science
Methods for image processing	First	Ferrari Stefano	English	6	Master Computer Science
Multimedia architectures	Second	Valtolina Stefano	Italian	6	Master Computer Science
Multimedial techa organization and digitalization	First	Haus Goffredo	Italian	6	Master Computer Science
Natural interaction	Second	Boccignone Giuseppe	English	6	Master Computer Science
Network security	First	Cimato Stelvio	Italian	6	Master Informatics Security
Network security ii	First	Cimato Stelvio, Anisetti Marco	Italian	6	Master Informatics Security
NEW GENERATION DATA MODELS AND DBMSs	First	Mesiti Marco	English	6	Master Computer Science
Online game design	Second	Maggiorini Dario, Ripamonti Laura Anna	English	6	Master Computer Science
Parallel and distributed algorithms	First	Palano Beatrice Santa	Italian	6	Master Computer Science
Privacy and data protection	First	Samarati Pierangela	Italian	6	Master Informatics Security Master Computer Science
Probabilistic methods for informatics	Second	Goldwurm Massimiliano	Italian	6	Master Computer Science
Real-time graphics programming	Second	Gadia Davide	English	6	Master Computer Science

Risk analysis and management	First	Vallega Alessandro	Italian	6	Master Informatics Security Master Computer Science
Security	Second	Lanzi Andrea	Italian	6	Master Computer Science
Sensor system design	First	Pedersini Federico	Italian	6	Master Computer Science
Service-oriented architecture security	Second	Damiani Ernesto	Italian	6	Master Informatics Security Master Computer Science
Simulazione	Second	Ceselli Alberto	English	6	Master Computer Science
Software development in complex teams	First	Bellettini Carlo Nicola Maria, Monga Mattia	Italian	6	Master Computer Science
Software verification and validation	Second	Bellettini Carlo Nicola Maria, Monga Mattia	Italian	6	Master Computer Science
Sound in interaction	First	Avanzini Federico	Italian	6	Master Computer Science
Sound synthesis programming	First	Ludovico Luca Andrea	Italian	6	Master Computer Science
Statistical methods for machine learning	Second	Cesa Bianchi Nicolo' Antonio	English	6	Master Computer Science
System modeling and analysis	Second	Riccobene Elvinia Maria	Italian	6	Master Informatics Security Master Computer Science
Theoretical computer science	Second	Mereghetti Carlo	Italian	6	Master Computer Science
Virtual reality	Second	Borghese Nunzio Alberto	Italian	6	Master Computer Science
Web algorithmics	First	Vigna Sebastiano	Italian	6	Master Computer Science
Wireless and mobile networks	Second	Quadri Christian	Italian	6	Master Computer Science

BACHELOR

Course	Semester	Teachers	Language	Max ECTS	Degree course
Algorithms and data structures	Second	Foresti Sara	Italian	6	Bachelor Computer Science for New Media Communications
Algorithms and data structures	First	De Capitani Di Vimercati Sabrina, Frasca Marco	Italian	12	Bachelor Computer Systems and Networks Security
Algorithms and data structures	Second	Foresti Sara	Italian	6	Bachelor Music Information Science
Algorithms and data structures	First	Pighizzini Giovanni, Lonati Violetta	Italian	12	Bachelor Computer Science
Artificial intelligence i	First	Basilico Nicola	Italian	6	Bachelor Computer Science
Automata and formal languages	Second	Palano Beatrice Santa	Italian	6	Bachelor Computer Science
Biometric systems	First	Scotti Fabio	Italian	6	Bachelor Computer Systems and Networks Security
Computer architecture	First	Scarabottolo Nello	Italian	6	Bachelor Computer Systems and Networks Security
Computer architecture	Second	Damiani Maria Luisa	Italian	6	Bachelor Computer Science for New Media Communications
Computer architecture i	Second	Ciriani Valentina	Italian	6	Bachelor Music Information Science
Computer architecture i	First	Edition 1 Borghese Nunzio Alberto , Trucco Gabriella	Italian	6	Bachelor Computer Science
	First	Edition 2 Ahmetovic Dragan , Basilico Nicola , Rivolta Massimo Walter			
Computer architecture ii	Second	Edition 1 Tarini Marco , Borghese Nunzio Alberto	Italian	6	Bachelor Computer Science
	Second	Edition 2 Basilico Nicola , Rivolta Massimo Walter			
Computer graphics	Second	Tarini Marco	Italian	6	Bachelor Computer Science for New Media Communications

Computer networks	First	Rossi Gian Paolo, Pagani Elena	Italian	12	Bachelor Computer Science
Computer networks	First	Pagani Elena	Italian	6	Bachelor Music Information Science
Computer networks	First	Pagani Elena	Italian	6	Bachelor Computer Science for New Media Communications
Computer networks	Second	Damiani Ernesto, Ardagna Claudio Agostino	Italian	12	Bachelor Computer Systems and Networks Security
Computer programming	First	Casiraghi Elena, Anisetti Marco	Italian	12	Bachelor Computer Systems and Networks Security
Computer programming	First	Edition 1 Morpurgo Anna Chiara Giovanna, Boldi Paolo	Italian	12	Bachelor Computer Science for New Media Communications
	First	Edition 2 Vigna Sebastiano, Civitarese Gabriele			
	First	Edition 3 Ahmetovic Dragan, Capra Lorenzo, Ceselli Alberto			
Computer programming	First	Edition 1 Morpurgo Anna Chiara Giovanna, Boldi Paolo, Trentini Andrea Mario	Italian	12	Bachelor Computer Science
	First	Edition 2 Vigna Sebastiano, Civitarese Gabriele			
	First	Edition 3 Capra Lorenzo, Ceselli Alberto			
Computer programming	First	Edition 1	Italian	12	

	First	Morpurgo Anna Chiara Giovanna, Boldi Paolo			Bachelor Music Information Science
	First	Edition 2 Vigna Sebastiano, Civitarese Gabriele			Bachelor Music Information Science
	First	Edition 3 Capra Lorenzo, Ceselli Alberto			Bachelor Music Information Science
Computer programming ii	First	Belletтини Carlo Nicola Maria, Monga Mattia	Italian	6	Bachelor Computer Science for New Media Communications
Computer programming ii	First	Boldi Paolo, Santini Massimo	Italian	6	Bachelor Computer Science
Computer science applied to music	Second	Haus Goffredo, Ntalampiras Stavros, Ludovico Luca Andrea	Italian	18	Bachelor Music Information Science
Computer science applied to sound	year	Ntalampiras Stavros, Avanzini Federico	Italian	12	Bachelor Music Information Science
Continuum mathematics	year	Benedikter Niels Patriz, Maggis Marco	Italian	12	Bachelor Computer Systems and Networks Security
Continuum mathematics	First	Cavaterra Cecilia, Gori Anna	Italian	12	Bachelor Computer Science
Continuum mathematics	First	Matessi Diego	Italian	12	Bachelor Computer Science for New Media Communications
Cryptography	Second	Cimato Stelvio	Italian	6	Bachelor Computer Systems and Networks Security
Cryptography i	First	Visconti Andrea	Italian	6	Bachelor Computer Science
Cybersecurity management	Second		Italian	6	Bachelor Computer Systems and Networks Security
Databases	First	Ferrara Alfio, Montanelli Stefano, Bellandi Valerio, Livraga Giovanni	Italian	12	Bachelor Computer Science
Databases	First	Perlasca Paolo	Italian	6	Bachelor Music Information Science

Databases	Second	Samarati Pierangela, Livraga Giovanni	Italian	12	Bachelor Computer Systems and Networks Security
Databases and web	Second	Bettini Claudio, Perlasca Paolo	Italian	12	Bachelor Computer Science for New Media Communications
Declarative programming	Second	Fiorentini Camillo, Momigliano Alberto	Italian	6	Bachelor Computer Science
Development of music production technologies	Second	Avanzini Federico	Italian	6	Bachelor Music Information Science
Digital image processing	First	Lanzarotti Raffaella	Italian	6	Bachelor Computer Science
Discrete mathematics	First	Luperi Baglini Lorenzo, Bianchi Mariagrazia	Italian	6	Bachelor Computer Systems and Networks Security
Discrete mathematics	Second	Bertolini Marina, Garbagnati Alice	Italian	6	Bachelor Computer Science Bachelor Music Information Science
Fundamentals of digital social media	Second	Bruschi Danilo Mauro, Zignani Matteo	Italian	6	Bachelor Computer Science
Human-computer interaction	First	Valtolina Stefano	Italian	6	Bachelor Computer Science for New Media Communications
Information systems	First	Castano Silvana	Italian	6	Bachelor Computer Science
Languages and compilers	Second	Santini Massimo	Italian	6	Bachelor Computer Science
Mathematical logic	Second	Aguzzoli Stefano, Fiorentini Camillo	Italian	6	Bachelor Computer Science
Mathematical methods for digital communication	Second	Van Geemen Lambertus, Marra Vincenzo	Italian	6	Bachelor Computer Science for New Media Communications
Mobile computing	First	Mascetti Sergio	Italian	9	Bachelor Computer Science for New Media Communications
Model-driven software design	First	Riccobene Elvinia Maria, Braghin Chiara	Italian	6	Bachelor Computer Systems and Networks Security
Multimedia information	First	Grossi Giuliano, Lanzarotti Raffaella	Italian	12	Bachelor Music Information Science
Multimedia project	Second	Rizzi Alessandro	Italian	9	Bachelor Computer Science for New Media Communications
Multimedia publishing	First		Italian	6	Bachelor Computer Science

Operating systems	Second	Piuri Vincenzo, Donida Labati Ruggero, Genovese Angelo	Italian	12	Bachelor Computer Science
Operating systems	First	Maggiorini Dario	Italian	6	Bachelor Computer Science for New Media Communications
Operating systems	First	Maggiorini Dario	Italian	6	Bachelor Music Information Science
Operating systems i	First	Bruschi Danilo Mauro, Lanzi Andrea, Re' Matteo	Italian	6	Bachelor Computer Systems and Networks Security
Programming languages	First	Cazzola Walter	Italian	6	Bachelor Computer Science
Scientific visualization	Second	Casiraghi Elena	Italian	6	Bachelor Computer Science Bachelor Music Information Science
Secure software design	First	Riccobene Elvinia Maria, Ciriani Valentina	Italian	6	Bachelor Computer Systems and Networks Security
Security and privacy	First	Bruschi Danilo Mauro	Italian	6	Bachelor Computer Science Bachelor Music Information Science
Signal processing	First	Pedersini Federico	Italian	6	Bachelor Computer Science Bachelor Music Information Science
Signal processing	Second	Sassi Roberto	Italian	6	Bachelor Computer Science for New Media Communications
Simulazione	Second	Ceselli Alberto	English	6	Master Computer Science
Social media mining	Second	Gaito Sabrina Tiziana, Zignani Matteo	Italian	12	Bachelor Computer Science for New Media Communications
Software engineering	First	Riccobene Elvinia Maria, Braghin Chiara	Italian	12	Bachelor Computer Science
Statistics and data analysis	First	Boccignone Giuseppe, Cuculo Vittorio	Italian	6	Bachelor Computer Science for New Media Communications
Statistics and data analysis	First	Gianini Gabriele	Italian	6	Bachelor Computer Systems and Networks Security
Statistics and data analysis	Second	Malchiodi Dario	Italian	6	Bachelor Computer Science
Statistics and data analysis	First	Boccignone Giuseppe, Cuculo Vittorio	Italian	6	Bachelor Music Information Science
System and network security	First		Italian	6	Bachelor Computer Systems and Networks Security

System and network security	First	Cimato Stelvio, Anisetti Marco	Italian	12	Bachelor Computer Systems and Networks Security
System modeling and analysis	Second	Riccobene Elvinia Maria	Italian	6	Master Informatics Security Master Computer Science
Technologies and languages for web	Second	Ceravolo Paolo	Italian	6	Bachelor Computer Science
Web and cloud applications	First	Ardagna Claudio Agostino, Bellandi Valerio	Italian	6	Bachelor Computer Science for New Media Communications
Web and mobile programming	Second	Ceravolo Paolo	Italian	6	Bachelor Computer Systems and Networks Security
Web and mobile systems security	Second		Italian	6	Bachelor Computer Systems and Networks Security
Web programming	First	Mesiti Marco	Italian	6	Bachelor Music Information Science