Italiano



search for information or people

Department of Information Engineering and Computer Science

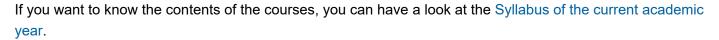
Master's Degree in

Computer Science

Menu

Home

Information Science and Technologies



Mandatory courses

Course name	Credits
Computability and computational complexity	6
Innovation and Business in ICT	6

Foundation of Computer Science - 2 courses chosen from the following table

Course name	Credits
Distributed systems 1	6
Machine learning	6
Service Design and Engineering	6

Complements of Communication and Electronic Engineering - 1 course chosen from the following table

Course name	Credits
Simulation and performance evaluation	6
This website uses cookies for statistical purposes and to	Accept
facilitatewebsite and app navigation. For more information	
visit our cookie policy page.	

Course name	Credits
Multimedia Data Security	6
Softwarized and virtualized mobile network	6
Advanced computing architectures	6

A specialization area chosen from the following list

- Computational Foundations
- Cybersecurity
- Data Science
- Bioinformatics
- Software and Service Architectures
- Systems and Networks

Area Computational Foundations - 18 Credits chosen from the following table

Course name	Credits
Formal methods: module 1 and module 2	12
Knowledge and Data Integration	6
Distributed systems 2	6
Concurrency	6
Optimization techniques	6
Quantum Machine Learning	6
Game Theory	6
Knowledge Graph Engineering	6

Area Cybersecurity - 18 Credits chosen from the following table

Course name	Credits
Privacy-Enhanced Technologies	6
Blockchain	6

This website uses cookies for statistical purposes and to facilitatewebsite and app navigation. For more information visit our cookie policy page.

Accept

Course name	Credits
Cyber Security Risk Assessment	6
Introduction to Computer and Network Security	6
Privacy and Intellectual Property Rights	6

Area Data Science - 18 credits chosen from the following table

Course name	Credits
Data Mining	6
Knowledge and Data Integration	6
Deep learning	6
High-Performance Computing for Data Science	6
Knowledge Graph Engineering	
Human Machine Dialogue	
Spatial Databases	6
Affective computing	6
Data Visualization Lab	6

Area Bioinformatics - 18 credits chosen from the following table

Knowledge and Data Integration6Laboratory of Biological Data Mining6High-Throughput Sequencing Data Analysis6Algorithms for Bioinformatics6Bioinformatics Resources6Knowledge Graph Engineering6	Course name	Credits
High-Throughput Sequencing Data Analysis 6 Algorithms for Bioinformatics 6 Bioinformatics Resources 6	Knowledge and Data Integration	6
Algorithms for Bioinformatics 6 Bioinformatics Resources 6	Laboratory of Biological Data Mining	6
Bioinformatics Resources 6	High-Throughput Sequencing Data Analysis	6
	Algorithms for Bioinformatics	6
Knowledge Graph Engineering	Bioinformatics Resources	6
	Knowledge Graph Engineering	

This website uses cookies for statistical purposes and to facilitatewebsite and app navigation. For more information visit our cookie policy page.

Accept

Course name	Credits
Web Architectures	6
Requirements Engineering	6
Security Testing	6
Autonomous Software Agents	6
Advanced Programming	6
Advanced HCI	6
Formal methods: module 1 and module 2	12

Area Systems and Networks - 18 credits chosen from the following table

Robot Planning and its application6Low-power wireless networking for the Internet of Things6Real-Time Operating Systems and Middleware6Network Security6Distributed systems 26Fog and Cloud Computing6Multisensory Interactive Systems6	Course name	Credits
Real-Time Operating Systems and Middleware 6 Network Security 6 Distributed systems 2 6 Fog and Cloud Computing 6	Robot Planning and its application	6
Network Security 6 Distributed systems 2 6 Fog and Cloud Computing 6	Low-power wireless networking for the Internet of Things	6
Distributed systems 2 6 Fog and Cloud Computing 6	Real-Time Operating Systems and Middleware	6
Fog and Cloud Computing 6	Network Security	6
	Distributed systems 2	6
Multisensory Interactive Systems 6	Fog and Cloud Computing	6
	Multisensory Interactive Systems	6

Courses from different areas, free choice courses, internship and thesis

Educational activity	Credits
Courses can be picked from areas other than the one you chose	18
Free choice courses	24
Training and orientation internship	6
Thesis	24

Aggiornato il 25 July 2022

This website uses cookies for statistical purposes and to facilitatewebsite and app navigation. For more information visit our cookie policy page.

Accept