UNIVERSITÀ DI PISA
Dipartimento di Informatica
Dipartimento di Ingegneria dell'Informazione

ISTITUTO DI TECNOLOGIE DELLA COMUNICAZIONE, DELL'INFORMAZIONE E DELLA PERCEZIONE
Scuola Superiore Sant'Anna

Master Programme in COMPUTER SCIENCE AND NETWORKING

Master Programme (Laurea Magistrale) **jointly provided by University of Pisa and Scuola Superiore Sant'Anna – qualification degree jointly issued**

Administration and student career management by University of Pisa, Department of Computer Science

Collaboration with Department of Information Engineering

Official language of courses: English

Objective

The 2-year Master Programme in Computer Science and Networking has been designed to meet the growing demand for an emerging kind of professionals with high-level expertise in both

- *computer and information science and technologies*

and

- *communication networking science and technologies,*

in a strongly integrated manner.

This expertise is needed in the design and implementation of both innovative software-hardware distributed infrastructures and service-based distributed applications in several areas of industry, e-business, research, social and citizen services, public administration.

Supports for students and industrial contacts

Several collaborations are established with prestigious national and international enterprises, in order to favour the professional training, to offer economical supports to students, and to provide job opportunities during and after the Program.

We mention the studentship and employment programme by **List Group** (Pisa), the stage and employment programmes at **Telecom** and **Amazon** labs, internships at **Google** and **Yahoo**, as well as other on-going initiatives.

Scuola Superiore Sant'Anna offers a studentship to the best foreign student, and provides the initial 3-month accommodation to all the admitted foreign students.

Admission requirements and selection

Bachelor degree in Computer Science, or Computer Engineering, or Telecommunication Engineering, or equivalent qualification degrees specified in the admission call.

The number of students is limited to 40, with reserved quotas to EU and non-EU citizens.

Selection is by titles and colloquium/interview.

See **http://mcsn.sssup.it** for deadlines, dates, and admission rules.

Courses and laboratories

Algorithm Engineering, **Advanced Programming**, **Distributed Systems Paradigms and Models**, **Fundamentals of Signals, Systems and Networks**, **High Performance Computing**, **Network Configuration and Management**, **Software Service Engineering**, **Teletraffic Engineering**,

and specialized courses and laboratories in

- software technologies for platforms, systems, models, frameworks, tools, security, and applications in distributed contexts,
- communication technologies for optical and photonic infrastructures, and for network architectures, models, protocols and services,
- applied mathematics for architectures and applications modeling.

Further information

http://compass2.di.unipi.it/didattica/orientamento/index.asp

http://mcsn.sssup.it

http://compass2.di.unipi.it/didattica/win18/

Institutional contacts

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