

Master Degree in Computer Science

AIMS

The *Master Degree in Computer Science* aims at educating specialists with solid foundations in computer science and high qualification in information technologies. The programme covers all the fundamental topics for a master graduate in computer science. Students can also acquire advanced knowledge on innovative topics, by choosing from a rich set of advanced courses.

COURSE DESCRIPTION AND CAREER PROSPECT

From a professional perspective, graduates will be experts in the design and development of innovative information systems and of modern global communication infrastructures. Generally speaking, the master graduate will be a professional capable of understanding and defining new techniques for solving complex and innovative computing problems.

COURSE CONTACTS

Prof. Antonio Brogi

Email: brogi@di.unipi.it

WEB SITE: http://compass2.di.unipi.it/didattica/wif18/foreing_students.asp

ENTRY REQUIREMENTS

Selection

First-level bachelor degree with 60 ECTS of computer science (1) courses and 12 ECTS of mathematics or physics (2) courses.

(1) Scientific sectors INF/01, ING-INF/05 in the Italian education system.

(2) Scientific sectors MAT/01, MAT/02, MAT/03, MAT/05, MAT/06, MAT/07, MAT/08, MAT/09, FIS/01, FIS/02, FIS/03 in the Italian education system.

STUDY PLAN

The duration of the Master is 2 years

All courses are given in English:

First year (60 ECTS)

Algorithms II

Databases II

Computing Models

Principles of Programming Languages

Advanced Programming

Subsidiary courses

Second year (60 ECTS)

Distributed Systems: Paradigms and Models

Subsidiary courses

Free choice credits

Master thesis