

The Department of Computer Science offers three levels of studies

- Two three-years undergraduate programs

 - Laurea in Informatica

 - Laurea in Informatica applicata

- Three five-years undergraduate programs

 - Laurea Specialistica in Informatica

 - Laurea Specialistica in Tecnologie Informatiche

 - Laurea Specialistica in Informatica per l'Economia e per l'Azienda

- A graduate program

 - Dottorato in Informatica

The history

In 1969 the University of Pisa started a four-years program:
Laurea in Scienze dell'Informazione

It was the first program of this kind in Italy and, afterwards, it was replicated in several other universities.

The course was aimed at providing students with

- strong scientific background in computer science
- technical skills for designing computer based systems

- **5523 graduates**

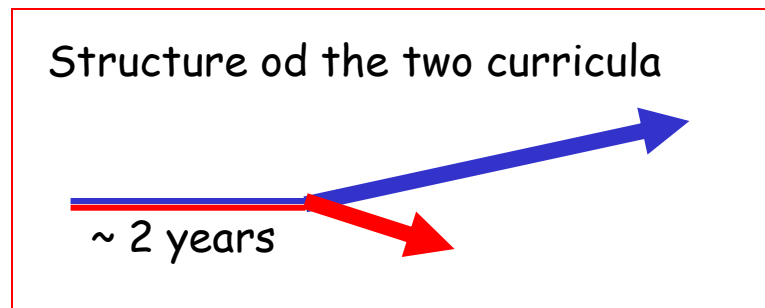
The history

Starting from the academic year 1993/94, the program of studies has been completely restructured

We introduced two levels of undergraduate curricula:

-Diploma Universitario in Informatica (three years). 93 graduates

- Laurea in Informatica (five years). 191 graduates



Now: Laurea degree (three years)

Laurea in Informatica

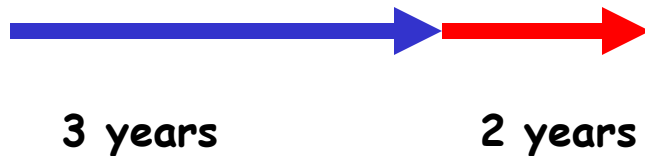
It is organized in a first period of two years, devoted to basic studies in Computer Science, Mathematics and Physics.

A third year focuses on more professional-oriented courses and elective courses.

Laurea in Informatica Applicata

It is oriented to Computer Science and Logistics.

It differs from the Laurea in Informatica essentially because the third year focuses on simulation, logistics and economics.



Now: Laurea degree (three years)

The Department is also actively involved in the **Laurea in Informatica Umanistica**, of the Faculty of Letters and Philosophy.

The curriculum aims at providing a solid culture in the literary, linguistic, storic, geographic and artistic fields, together with a good level of competence in computer science.

Graduates should be able to autonomously apply computer science methods and tools to the processing of languages, texts, images and cultural contents in general.

Now: Laurea Specialistica (two more years after the Laura degree)

Laurea Specialistica in Informatica

The curriculum is quite general. It is organized in basic courses on foundation of Computer Science and elective courses.

Laurea Specialistica in Tecnologie Informatiche

The curriculum is oriented to technology.

It is organized around several different areas. A group of basic courses is common to all the areas, other courses are specific for each area, and others are elective.

Laurea specialistica in Informatica per l'Economia e per l'Azienda

The curriculum concentrates on information sciences and the integration of this discipline with various applications within economics.

This integration is crucial for several activities: systems for stock management, financial transactions, e-marketing, work-flow management, decision-support activities, etc.

Graduate program

- The Department has a three-year Ph.D. program in Computer Science.
- Ten to fifteen students are admitted each year.
- The competition is open both to Italian and to foreign citizens.

More than 100 students have obtained the Ph.D. qualification,

62 are working in Italian Universities

14 full professors

24 associate professors

25 assistant professors

5 are professors in foreign universities

7 are researchers in Italian or foreign research institutions

9 hold postdoc fellowships

Current situation

22 students should discuss their thesis in the current year

7 will discuss the advancement of their work

13 will present their thesis proposal

Student activities

Students devote the first year to attending advanced courses and taking their exams, and in participating in at least one series of research seminars.

At the end of the first year students are required to write their research proposal on a topic chosen among those in which the Department of Computer Science is active. The students have two years to complete their thesis.

Students are encouraged to spend at least a semester abroad while working on their thesis. In the last two years 10 of them have spent a period abroad.

Students may do a limited teaching activity in the framework of BS and MS courses.

Student activities

The Ph. D. thesis is a monograph containing original results. These results may have been already presented by the student at conferences or journals.

Theses are written in English and are reviewed by two international referees. Students discuss their thesis with a Committee of three members external to the School.

After the final approval the theses are published in a special series of reports of the Department.

THE "GALILEO GALILEI" SCHOOL OF GRADUATE STUDIES

The main objective of the School is to promote the exchange of experience on scientific, cultural, and social grounds between the individual Ph. D. programmes, Chemical Sciences, Computer Science, Physics, Applied Physics, Mathematics.

The School aims at attracting graduates from other Italian and foreign universities. This is done by means of both exchanges with foreign institutions and grants reserved for graduates from other universities.

The Galileo Galilei school

- provides educational, scientific, and general services of common interest to the single Ph. D. programmes of the School
- promotes the enrollment of students from other places in the Ph. D. programmes
- promotes and organizes common research and study projects in collaboration with foreign Ph. D. programmes, leading to a joint qualification

The school was established with funds given by the Ministry for University and Research (MIUR) together with other thirteen initiatives of advanced teaching and research judged to be of particular merit.

Assigned funds

For 2001	369.000	euro
For 2002	820.000	euro
For 2003	1.550.000	euro