

NOTICE FOR MAJOR DEGREES in PHYSICS and in ASTRONOMY and ASTROPHYSICS

Teaching activities will begin **MONDAY, SEPTEMBER 25** and will be delivered exclusively in attendance.

A presentation meeting of the educational paths of our two master's degrees will be held on Friday, September 22 at 3 p.m.

The meeting will take place in the Amaldi Classroom.

The schedule with classroom assignments for the lectures is available at:

<https://www.phys.uniroma1.it/fisica/didattica/orario-delle-lezioni>

For this purpose it is necessary to know the code of the building where the classrooms are located.

The Amaldi, Conversi, Majorana, Rasetti, Careri classrooms are located in the Marconi building, code CU013.

Classrooms 2,3,4,5,6,7,8 and the Calculus Laboratory are located in the Fermi building, code CU033.

Below you are provided with some general information about the educational paths that will be better explained at the meeting on the 22nd.

The master's degree in Astronomy and Astrophysics is single-curriculum and for the I semester of the I year includes four compulsory courses:

Processi e Plasmi

Astrofisici, General Relativity, Astrophysics Laboratory e Fisica Superiore. More information on the structure of the curriculum is available at:

https://www.phys.uniroma1.it/fisica/percorsi_formativilm58_23_24

In contrast, **the master's degree in Physics** is structured into 4 curricula.

The presentations of the curricula made on July 12 at the "Porte Aperte" event at Sapienza, along with other information, are available at:

https://www.phys.uniroma1.it/fisica/percorsi_formativilm17_23_24

We list below the mandatory first-semester teachings in each curriculum and some general indications for the exams of choice, for the sole purpose of directing the attendance of courses from the very first classes.

a) Curriculum Fundamental Interactions: Theory and Experiment.

Mandatory courses: Introduction to Quantum Field Theory, Condensed Matter Physics, Physics Laboratory I (channel taught by Prof. G. Cavoto).

Students may then choose to take an additional course.

In the semester the only course activated within the curriculum is Computing Methods for Physics (channel taught by Prof. F. Pannarale Greco), which is strongly recommended.

b) Curriculum Condensed Matter Physics: Theory and Experiment.

Mandatory courses: Introduction to Quantum Field Theory, Condensed Matter Physics,

Physics Laboratory I (channel taught by Prof. Betti), Computing Methods for Physics (there will be a choice between the course taught by Prof. G. L. Boeri and the one taught by Prof. C. De Michele).

Students may then choose to take an additional course.

In the semester are activated within the curriculum: Statistical Mechanics and Critical Phenomena, Soft and Biological Matter, Nonlinear and Quantum Optics, Computational Biophysics.

c) Curriculum Biosistemi.

Mandatory courses: Condensed Matter Physics, Soft and Biological Matter and Physics.

Laboratory I (the channel taught by Prof. M. Ortolani).

Students may then choose to take two additional courses.

In the semester are activated within the curriculum:

Biochemistry, Statistical Mechanics and Critical Phenomena, Nonlinear and Quantum Optics, Computational Biophysics, Computing Methods for Physics (channel taught by Prof. C. De Michele).

d) Curriculum Teorico Generale.

Mandatory courses: Introduction to Quantum Field Theory, Condensed Matter Physics, Physics Laboratory I (one channel of the student's choice).

Students may then choose to take two additional courses.

In the semester are activated within the curriculum: Statistical Mechanics and Critical Phenomena, General Relativity, Computing

Methods for Physics (one channel of the student's choice), Nonlinear and Quantum Optics.

Channels:

The courses Introduction to Quantum Field Theory and Condensed Matter Physics, common to all addresses, are channeled.

The division is done using the initial of the last name (A-J, K-Z).