



UNIVERSITÀ  
DEGLI STUDI  
DI TORINO

ALMA UNIVERSITAS  
TAURINENSIS



- ❖ The Graduate Course (Master Degree) in Physics of Torino University offers three different curricula  
Astrophysics and Theoretical Physics,  
Nuclear Subnuclear and Biomedical Physics,  
Environment and Advanced Technologies,  
based on the main research topics developed in our Physics Department.
- ❖ The thesis work (45 ects\*) covers a sizable fraction of the total number of ects (120) and is intended to be an original research work on modern issues in the field of specialization. It provides the student with the necessary skills to afford independent work, both in academic research and in the many industrial fields which require the mathematical and technical competences of a physicist.

\* *Notice that an ect corresponds to 25 hours of student work.*

# ADMISSION COLLOQUIUM

[http://fisica.campusnet.unito.it/do/home.pl/View?doc=colloquio\\_ammissione\\_LM.html](http://fisica.campusnet.unito.it/do/home.pl/View?doc=colloquio_ammissione_LM.html)

- In order to **enroll** in the Master in Physics, please refer to the general rules on the **web site of Torino University**.
- **DEAD LINE : DECEMBER, 21, 2012.**
- The preliminar admission form must be filled up with the indication of the required curriculum.
- 3 admission Colloquia are fixed (**September 13, October 11 and December 11, 2012**). For foreign candidates a skype interview can be arranged upon request.
- The colloquium is intended to check the minimal curricular competence acquired in the previous Courses (Bachelor) as well as the basic knowledge necessary for a fruitful progress in the specific Master course chosen by the individual student.

## General plan of the 120 ects of the Master

54 ects correspond to courses characterizing the specific curriculum

18 ects are on free choice of the student

45 ects are assigned to the Master Thesis

3 ects for additional informatics knowledge

Proff.  
**Frau**  
**Donato**  
**Anselmino**  
**Massaglia**  
**Diaferio**

**CURRICULUM:  
ASTROPHYSICS AND  
THEORETICAL PHYSICS**

Proff.  
**Serio**  
**Cassardo**  
**Vittone**  
**Balestra**  
**Marocchi**

**CURRICULUM:  
PHYSICS OF  
ENVIRONMENT AND OF  
ADVANCED  
TECHNOLOGIES**

Proff.  
**Masera**  
**Menichetti**  
**Romero**  
**Peroni**  
**Chiavassa**

**CURRICULUM:  
NUCLEAR, SUBNUCLEAR  
AND BIOMEDICAL  
PHYSICS**

For an overview of the courses available for each of the above curricula see:

## Curricula (English)

The following courses can be offered in English:

Complements of Matter Structure

Cosmology

Introduction To Group Theory

Introduction to String Theory

Fundamentals of Astrophysics: galaxies and cosmic struc.

Computational Geophysics Laboratory

Physics of the Environment

Physics of the Atmosphere

Meteorology

Non linear Waves and Turbulence

Physics of Superconductors

Phenomenology of Fundamental Interactions

Elementary Particles II

Relativistic Kinematics

Radiative Processes

Medical Physics

Laboratory of Medical Physics

Laboratory of Matter Physics

Solid State Physics