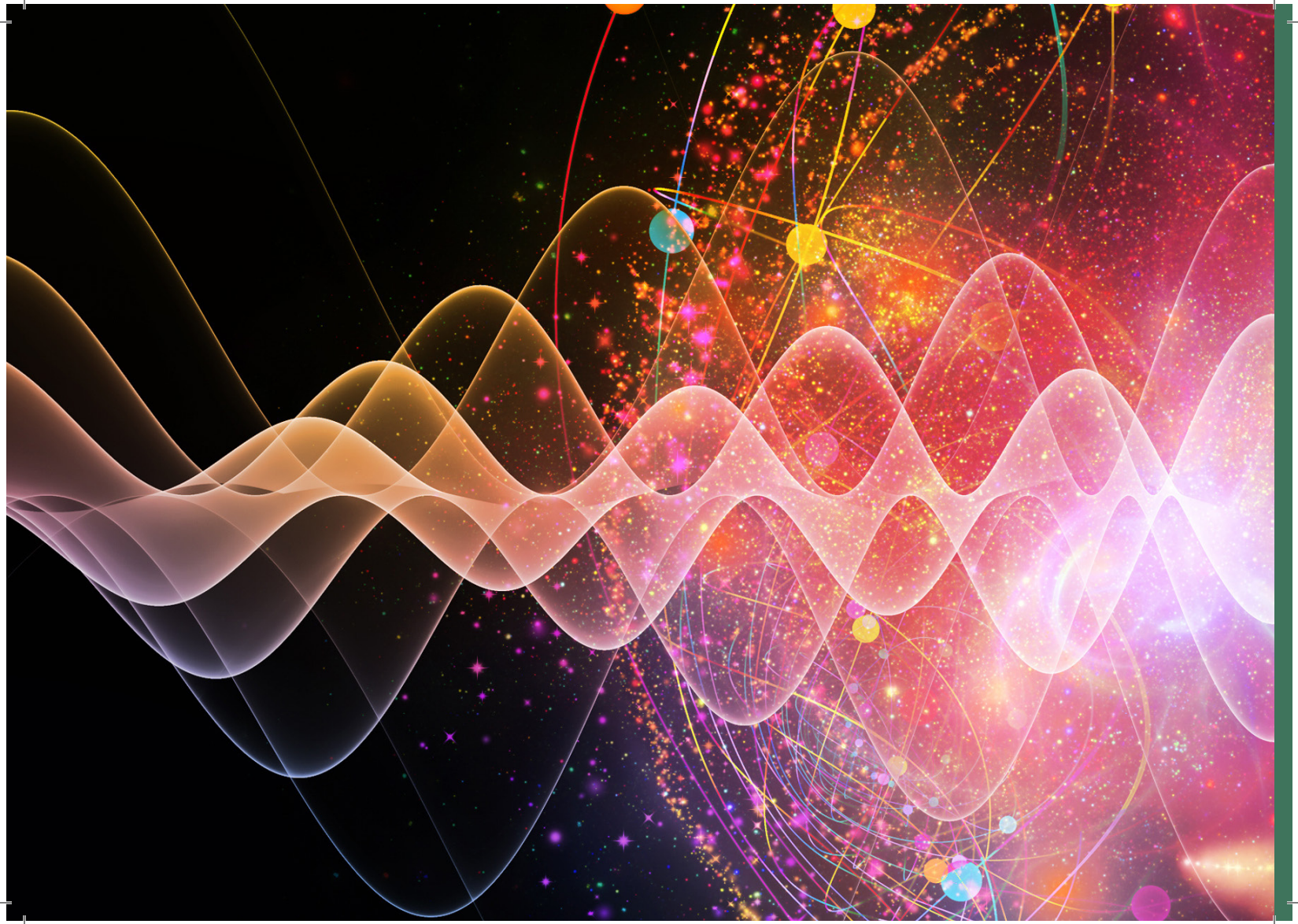
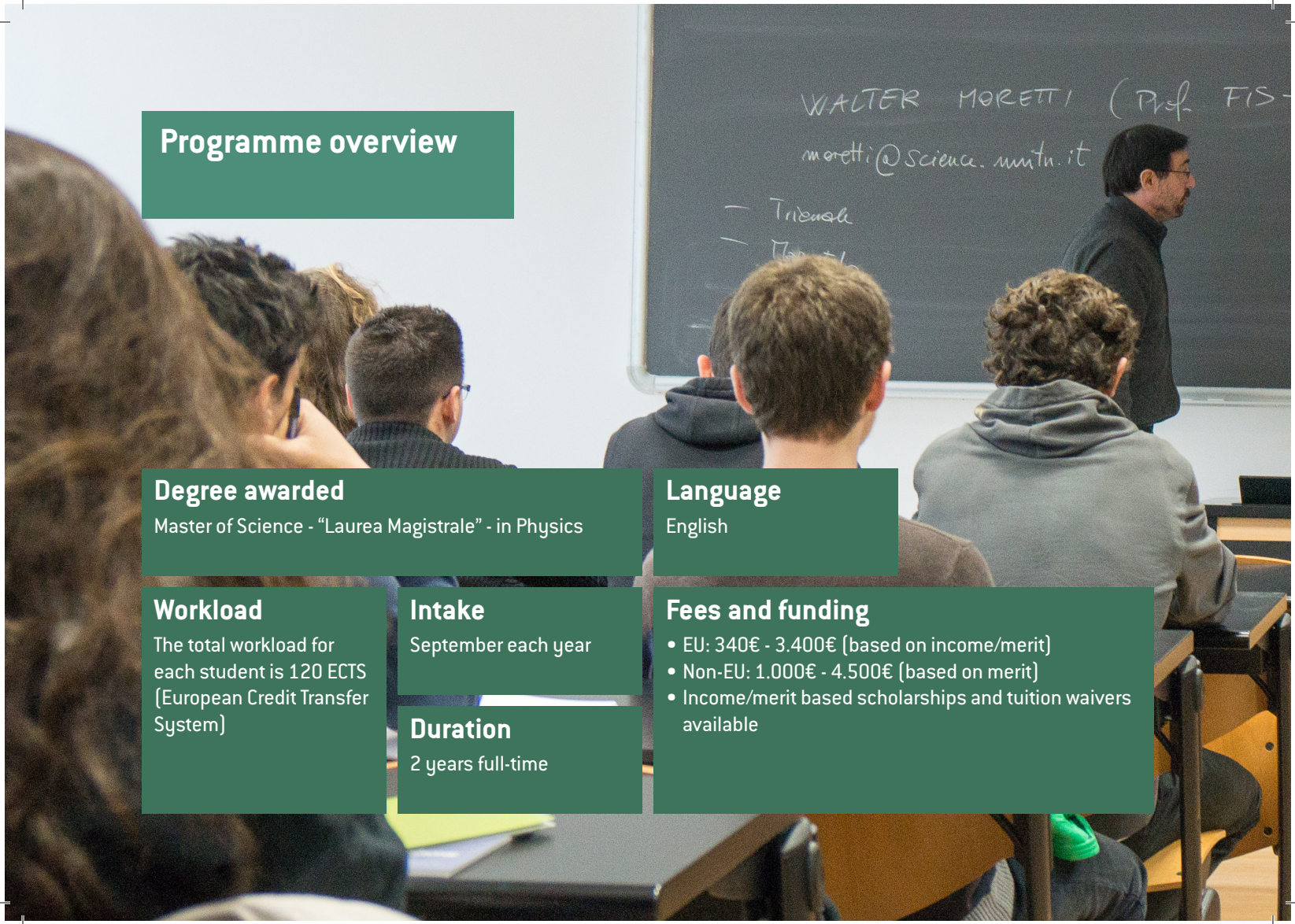


Master of Science in Physics

Through its **multidisciplinary approach**, the MSc in Physics provides students a solid grounding in all aspects of **Modern Physics**, both theoretical and experimental, along with an excellent grasp of the scientific method with a view to the cutting-edge developments of scientific research and technology.

Students will also be able to employ their knowledge and skills for the planning of sophisticated **measuring instruments** and for the modeling of **complex systems**.



Programme overview

Degree awarded

Master of Science - “Laurea Magistrale” - in Physics

Language

English

Workload

The total workload for each student is 120 ECTS (European Credit Transfer System)

Intake

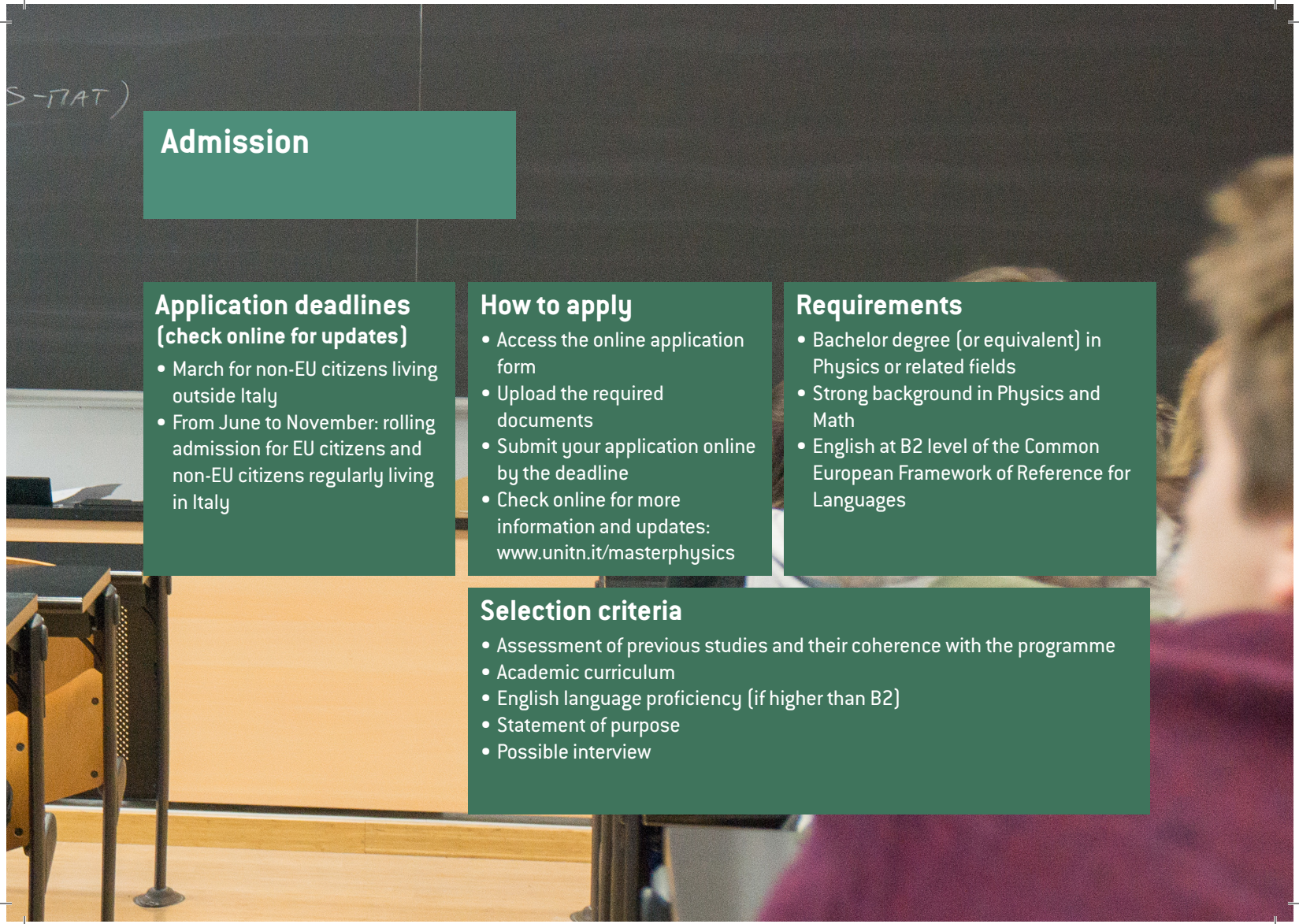
September each year

Duration

2 years full-time

Fees and funding

- EU: 340€ - 3.400€ (based on income/merit)
- Non-EU: 1.000€ - 4.500€ (based on merit)
- Income/merit based scholarships and tuition waivers available



Admission

Application deadlines (check online for updates)

- March for non-EU citizens living outside Italy
- From June to November: rolling admission for EU citizens and non-EU citizens regularly living in Italy

How to apply

- Access the online application form
- Upload the required documents
- Submit your application online by the deadline
- Check online for more information and updates: www.unitn.it/masterphysics

Requirements

- Bachelor degree (or equivalent) in Physics or related fields
- Strong background in Physics and Math
- English at B2 level of the Common European Framework of Reference for Languages

Selection criteria

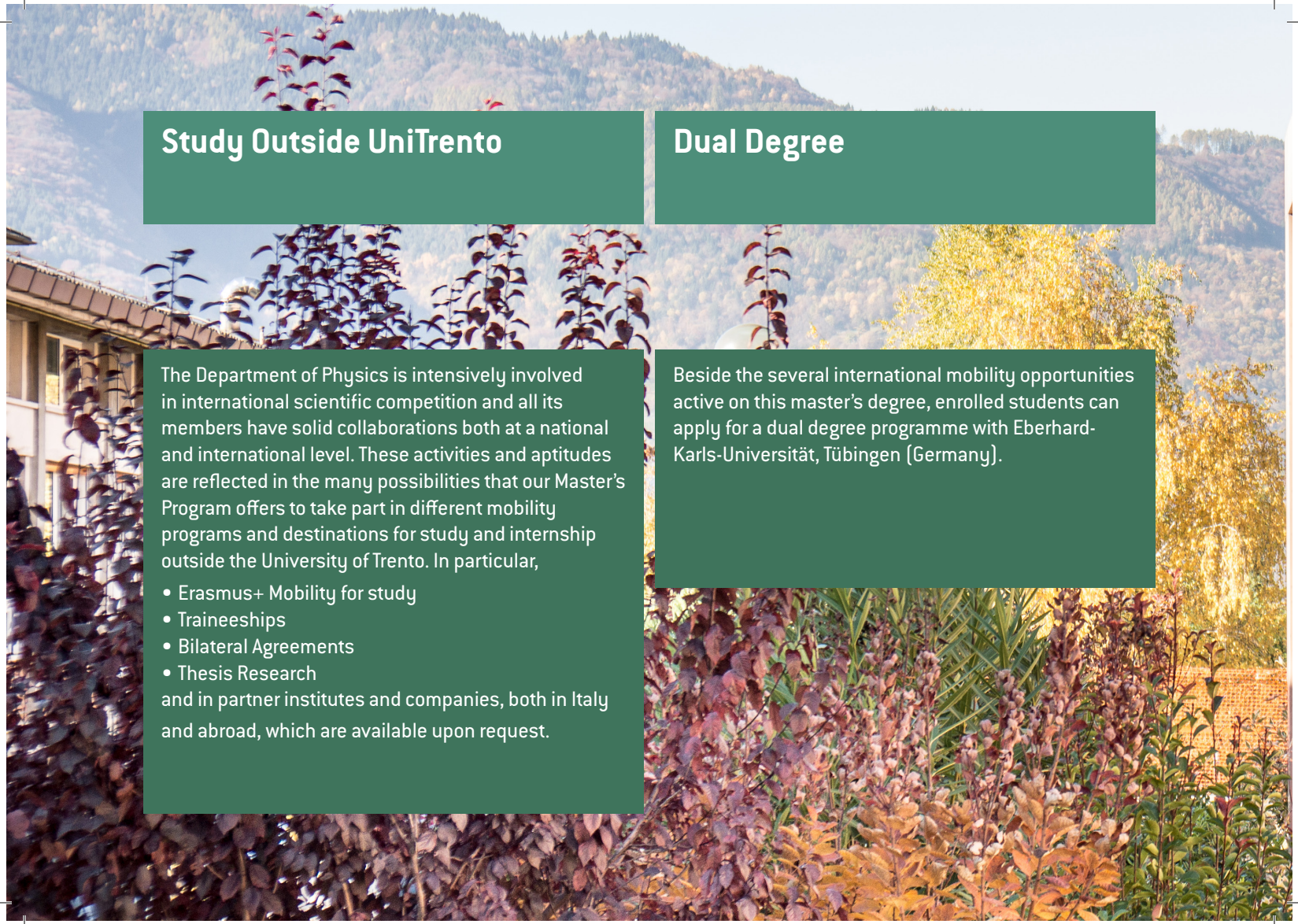
- Assessment of previous studies and their coherence with the programme
- Academic curriculum
- English language proficiency (if higher than B2)
- Statement of purpose
- Possible interview

Study Plan

The variety of research areas is reflected by a course structure with various study plans according to the research areas active in the department:

- Astroparticle and Particle Physics
- Atmospheric and Climate Physics
- Biophysics
- Experimental Gravitation and Cosmology
- Medical Physics
- Nanophotonics
- Nonlinear Systems and Electronics
- Physical Science Communication and Teaching Methods
- Quantum Gases and Ultracold Atoms
- Quantum Physics of Matter: Materials, Energy and Environment
- Theoretical and Computational Physics

Interested students are warmly invited to directly contact the members of the academic staff for further information on specific courses.



Study Outside UniTrento

The Department of Physics is intensively involved in international scientific competition and all its members have solid collaborations both at a national and international level. These activities and aptitudes are reflected in the many possibilities that our Master's Program offers to take part in different mobility programs and destinations for study and internship outside the University of Trento. In particular,

- Erasmus+ Mobility for study
- Traineeships
- Bilateral Agreements
- Thesis Research

and in partner institutes and companies, both in Italy and abroad, which are available upon request.

Dual Degree

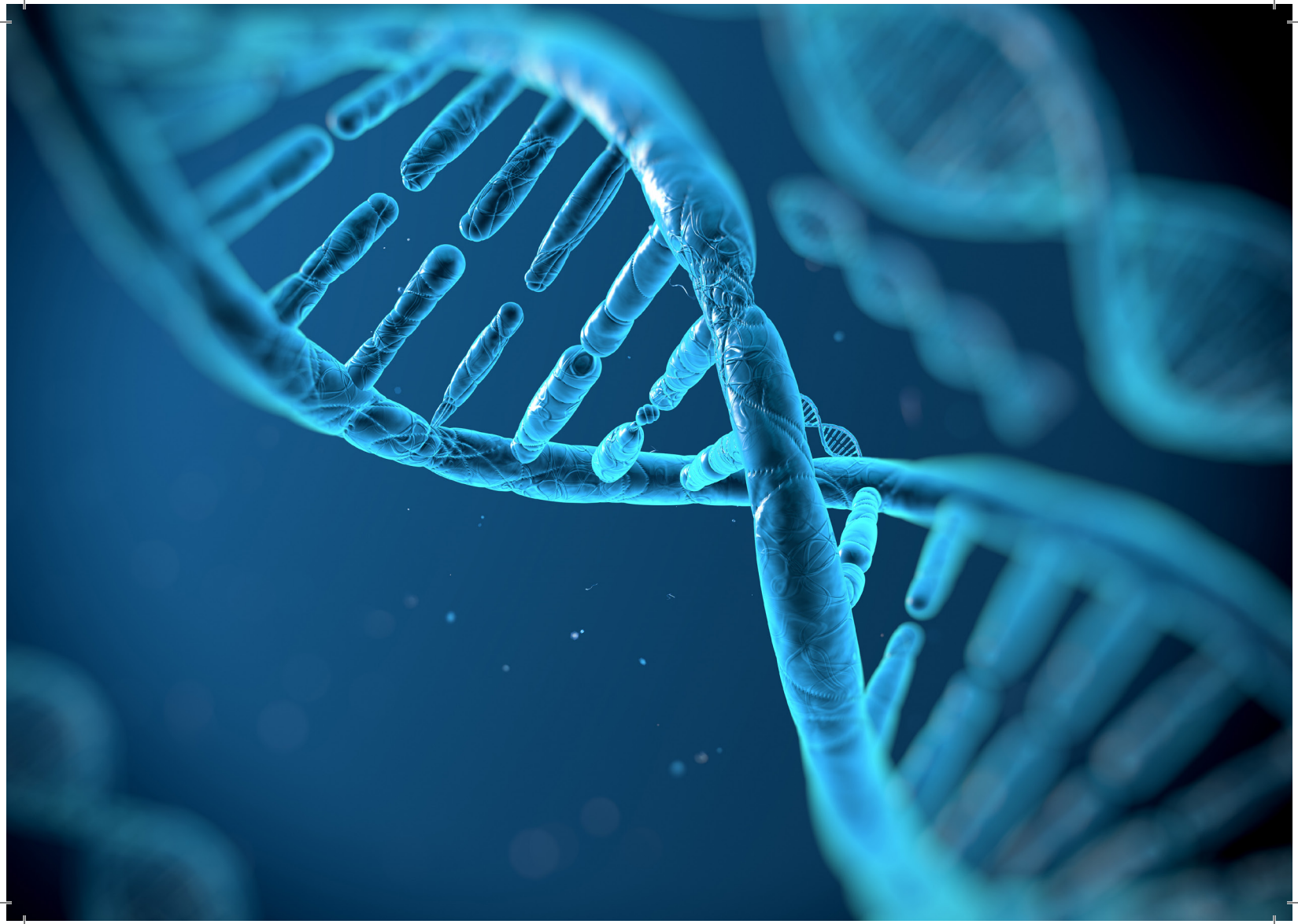
Beside the several international mobility opportunities active on this master's degree, enrolled students can apply for a dual degree programme with Eberhard-Karls-Universität, Tübingen (Germany).

Career opportunities

Graduates will be able to perform with a high degree of autonomy, taking up responsibility on projects and structures in the fields of **research**, and directly contributing to scientific and technological **innovation**.

They will be able to use their knowledge and skills for the realization of **forefront experiments**, for the design of **sophisticated instruments of measure**, or for the **modelling of complex systems** in various fields of pure sciences, as well as in more application-oriented domains.

The Physics Department has excellent connections with industries: students can participate in the yearly competition "Industrial Problem Solving with Physics," meant to find solutions to practical industrial problems that need to be fixed by private companies. Moreover, graduates can benefit from PhD fellowships in Physics sponsored by private companies.



CONTACT DETAILS

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www.unitn.it/masterphysics

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