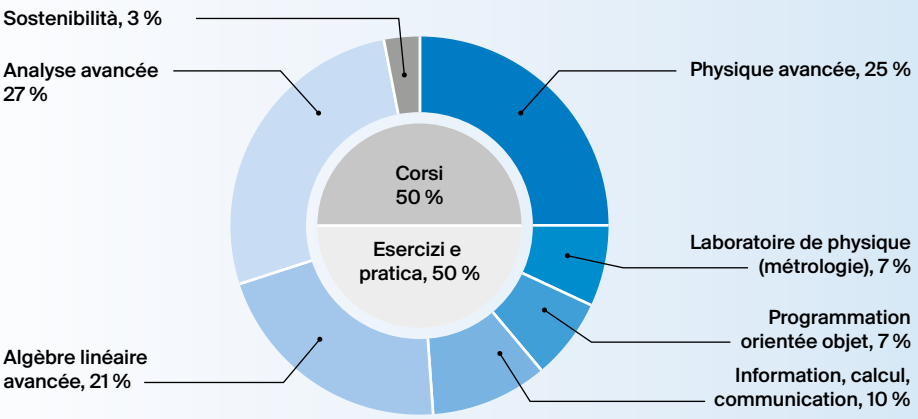
FISICA

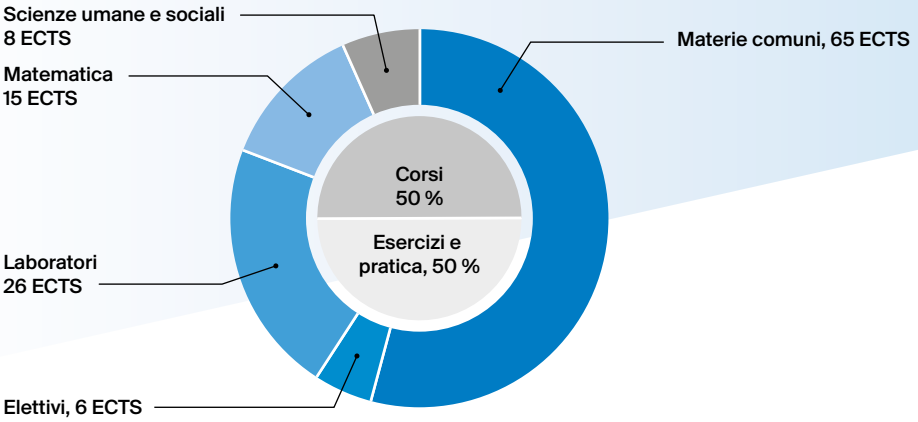
Piano di studio Bachelor 1° anno



Parte di corsi in inglese (in base ai punti ECTS)

1° anno:	0 %
2° e 3° anno:	max. 42 %
Master:	100 %

Bachelor 2° e 3° anno

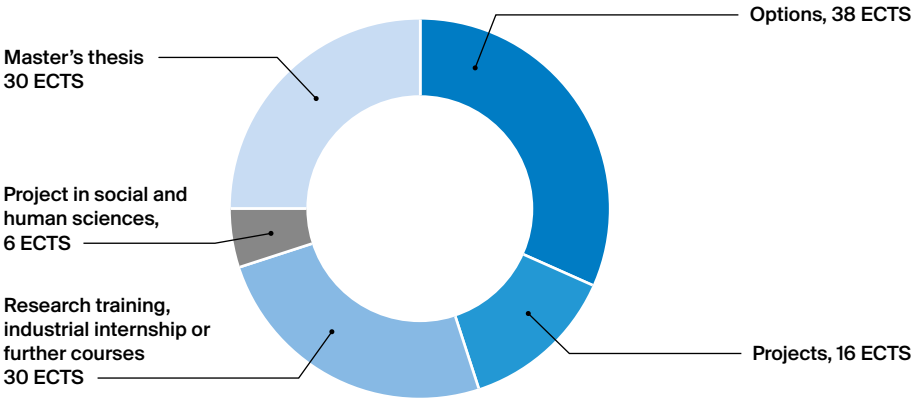


10 esempi di corsi:

- Advanced computational physics
- Biophysics: physics of the cell
- Introduction à la physique des plasmas
- Introduction à l'astrophysique
- Optique et photonique
- Particles and fundamental interactions
- Physique du solide
- Physique statistique
- Quantum mechanics
- Quantum physics

Master

2-year program - 120 ECTS



Students pursuing a Physics degree must complete a research training semester whereas students enrolled in an Applied Physics curriculum must undertake a 4 to 6-month internship in industry. All students may instead choose to follow further courses to deepen their knowledge in preferred domains. In this case, students enrolled in the Applied Physics Master's degree must complete their Master's thesis in industry (6 months).

Two projects in the following fields:

- Astrophysics, particles, high energy physics
- Condensed matter physics
- Physics of biological and complex systems
- Plasma physics and energy
- Quantum science and technology

The Bachelor's degree in Physics also gives direct access to the Master's program in Quantum Science and Engineering (120 ECTS).
More than 40 courses in the following 2 specializations:

- Quantum information and computation
- Quantum hardware and engineering

Sbocchi professionali

I diplomati in fisica, grazie alla loro ampia comprensione dei fenomeni e alle loro forti competenze nel campo della modellizzazione, possono accedere a opportunità professionali in numerose istituzioni e imprese attive in ambiti in costante evoluzione, come l'elettronica, le nanotecnologie, la scienza dei materiali o ancora le tecnologie mediche. La solida formazione teorica e pratica, unita alla capacità di adattamento a tutti gli ambiti disciplinari che richiedano uno spirito analitico, permettono ai diplomati in fisica di far valere le loro competenze nei settori bancario e assicurativo.

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