

Bachelor's degree year 1 - semester 1

Analysis 1 (6 ECTS)
Atoms and molecules (6 ECTS)
Physics: introduction (6 ECTS)
Programming 1 (3 ECTS)
Algorithm and computing : initiation (3 ECTS)
Language techniques (3 ECTS)
English (3 ECTS)

Bachelor's degree year 1 - semester 2

Analysis 2 (6 ECTS)
Physical mathematics 1 (3 ECTS)
Geometrical optics (3 ECTS)
Electrokinetics (3 ECTS)
Chemical mathematics 1 (3 ECTS)
Option (3 ECTS), choose between:
* Spatial ability (3 ECTS)
* Origin and structure of materials (3 ECTS)
Transdisciplinary option (3 ECTS)
Language techniques and professional project (3 ECTS)
English (3 ECTS)

Bachelor's degree year 2 - semester 1

Physical mathematics 2 (6 ECTS)
Thermodynamics: basics (3 ECTS)
General mechanics (6 ECTS)
Fluid dynamics and statics (3 ECTS)
Electromagnetism (6 ECTS)
Transdisciplinary option (3 ECTS)
English (3 ECTS)

Bachelor's degree year 2 - semester 2

Physical mathematics 3 (6 ECTS)
Programming for physics 2 (3 ECTS)
* Cosmological and wave physics: initiation (3 ECTS)
Option (3 ECTS), choose between:
* Mechanics: basics (3 ECTS)
* Solid mechanics (3 ECTS)
Mechanics: energy and power (3 ECTS)
Vibrations and waves (3 ECTS)
Electromagnetic radiation (3 ECTS)
Optical physics (3 ECTS)
English (3 ECTS)

Bachelor's degree year 3 - semester 1

Quantum physics: basics (4 ECTS)

Static physics (4 ECTS)

Option (12 ECTS), choose between:

* Molecular symmetry and coordination chemistry (3 ECTS)

* Environmental physical chemistry (3 ECTS)

* Signals and linear systems (6 ECTS)

* Mechanics continuous media (6 ECTS)

* Thermal transfer and diffusion phenomenon (3 ECTS)

Physical mathematics 4 (4 ECTS)

Option (3 ECTS), choose between:

* Professional culture and integration (3 ECTS)

* School teacher internship (3 ECTS)

English (3 ECTS)

Bachelor's degree year 3 - semester 2

Quantum physics (3 ECTS)

Static physics (3 ECTS)

Dielectric and magnetic fields (3 ECTS)

Cristallography (3 ECTS)

Option (6 ECTS), choose between:

* Material physics and chemistry (3 ECTS)

* Computer for physics (3 ECTS)

* Laser and radiation (3 ECTS)

* Mechanics of deformable solids (6 ECTS)

* Fluid mechanics (6 ECTS)

Internship (6 ECTS)

Option (3 ECTS), choose between:

* Professional culture and integration (3 ECTS)

* School teacher internship (3 ECTS)

English (3 ECTS)