

First cycle degree in Physics

Class L-30 - Physics

Duration 3 years

Branch Padova

Language Italian

Access Restricted

Reference structures Department of Physics and Astronomy, School of Science

This course will provide you with a sound knowledge of the basics of classical and modern physics, with particular regard to quantum mechanics, as well as adequate mathematical training. Great space is dedicated to laboratory activities, which will offer you direct experience of the main experimental techniques and computer science techniques. You will learn how to choose and use the experimental methods fit for problem-solving, and how to develop code and collect and analyse data. You can operate in manufacturing or other sectors based on innovative technologies, in the field of quality control, environment control, radiation protection, data analysis, or devote yourself to research activities applied in the laboratories of research institutions and industrial firms.

Characteristics and objectives

The course provides a good knowledge of classical and modern physics, with a particular attention to quantum mechanics, besides adequate mathematical skills. At the end, the student will know how to choose and use proper experimental methods to address a problem, develop software and acquire and analyze data.

Occupational opportunities

The graduate can find a job in the industrial or service sectors based on novel technologies. In particular, he/she can work in the areas of quality control, environment, radiation protection, software development, data analysis. He/she can also carry out applied research in industrial or academic laboratories.

From Bachelor's degree to Master's degree

The course provides admission to the II cycle degree in Physics, according to the rules indicated in the specific announcements.