



Universidad de Granada

## **Undergraduate Degree in Physics**

Physics is the branch of science concerned with the properties of matter and energy. This includes the study of mechanics, heat, light, radiation, sound, electricity, magnetism and the structure of atoms. In a broad sense, it strives to analyse nature in order to achieve an understanding of how the universe behaves.

The discipline of physics has a long-standing tradition at the University of Granada. Our teaching staff are highly experienced and qualified, and participate actively in academic research projects, financed by both public and private institutions. The results of this research are collected in national and international publications. Our staff also participate actively in academic conferences, and in the supervision and defence of doctoral theses.

The first academic year in our Degree in Physics is designed to provide you with a broad educational grounding in physics. You will study subjects such as general physics, mathematical analysis, algebra, chemistry, numerical analysis and basic experimentation techniques. Our core programme includes subjects in thermodynamics, mechanics, mathematical methods, electronic circuits, electromagnetism, quantum physics, optics, nuclear physics and electronic physics.

As a student on our degree, you will also have the opportunity to choose from a list of elective subjects that includes areas such as analytical mechanics, geophysics, biophysics, radioactivity, atomic and molecular physics, electrodynamics, relativity, astrophysics and field theory.

Our physics students receive thorough training in scientific methodology, mathematics and the laws that govern natural phenomena. This background allows them to analyse different natural processes and systems and think critically, skills that can be applied practically in a multitude of areas.

Our graduates are highly qualified professionals and are much sought-after in the current job market. This is mainly due to their versatility, analytical skills and ability for problem solving. Most graduates find employment in the industrial sector, laboratories, research centres and educational centres, and in areas such as energy production, meteorology, the environment, the development of new materials, optics, biophysics, computing and information technology, finance, and consultancy firms.

Studying physics at the UGR gives you a great opportunity to become an expert in an experimental discipline which is crucial for society's scientific and technological development.

<b>ECTS Credits</b>	240
<b>Duration</b>	4 academic years (September/October to June each year approximately)
<b>Start Date</b>	Autumn
<b>Language</b>	Spanish
<b>Tuition Fees</b>	€757 (approximately)
<b>Application Period</b>	June - September (approximately)
<b>Offered by</b>	Vice-Rector's Office for Undergraduate and Postgraduate Teaching
<b>How to apply</b>	Please visit the <a href="#">Applications and Admissions Section</a>

DEGREE WEBSITE