UNIVERSIDAD DE GRANADA

Universidad de Granada

Undergraduate Degree in Optics and Optometry

Optics is the branch of physics that studies the behaviour and properties of light and the way it interacts with other elements, describing phenomena such as reflection, refraction, interference, diffraction, dispersion or polarisation. Optometry is the branch of healthcare concerned with the eyes and its related structures, designed to provide treatments for different eye diseases and to improve vision.

Our Degree in Optics and Optometry studies vision as the ability to process environmental information, and obtain meaning and understand what is seen through the eyes. Our aim is to produce highly qualified professionals in eye and visual healthcare by training them extensively in preventing, detecting, evaluating, diagnosing and treating eye ailments.

As a student on our degree, you will study subjects from a number of interrelated areas, such as optical physics, physiological optics, optometry, instrumental optics, instrumental optometry, pathology, contact lens optics, optical materials, pharmacology, binocular vision, vision rehabilitation, low vision, applied optics and corrective lense technology.

Our graduates are highly qualified to work in a number of different fields, whether they decide to specialise in optics or optometry. Optics is essential in today's society and in the development of different technologies like fibre optics, lasers, lenses, microscopes, telescopes, LED technology, holography, image recognition and spectroscopic analysis. This means that opticians can be employed in a wide range of different fields, such as the automobile industry, the oil and gas industry, the renewable energy sector, the food industry and traffic control.

Optometrists are more in demand than ever before. The emergence of new technologies and the dramatic changes in people's lifestyles means that the need for eye and vision care is increasing. This is due both to the increase in eye and vision health problems, population ageing, and the increase in the need for good eyesight. Furthermore, the increase in refractive eye surgeries means that more eye healthcare specialists are needed for pre and post-surgery positions. Optometry is also essential for innovating in the development of technology and equipment used by healthcare professionals working in the field.

ECTS Credits	240

Duration	4 academic years (September/October to June each year approximately)
Start Date	Autumn
Language	Spanish
Tuition Fees	€757 (approximately)
Application Period	June – September (approximately)
Offered by	Vice-Rector’s Office for Undergraduate and Postgraduate Teaching
How to apply	Please visit the Applications and Admissions Section

DEGREE WEBSITE