

Bachelor's degree in Optics and Optometry

In the **bachelor's degree in Optics and Optometry**, you will study both medical and technology-related subjects, developing the knowledge and skills needed to diagnose, prevent and treat vision problems. In optics, you will receive the theoretical training needed to understand how images are formed by lenses, the fundamentals of optical instruments, and the causes of visual impairments, while your studies of optometry will allow you to develop the knowledge and skills needed to treat non-medical vision problems.

GENERAL DETAILS

Duration

4 years

Study load

240 ECTS credits (including the bachelor's thesis). One credit is equivalent to a study load of 25-30 hours.

Delivery

Face-to-face

Fees and grants

Approximate fees per academic year: €1,660 (€2,490 for non-EU residents). [Consult the public fees system based on income \(grants and payment options\)](#).

Location

[Terrassa School of Optics and Optometry \(FOOT\)](#)

Official degree

[Recorded in the Ministry of Education's degree register](#)

ADMISSION

Places

90

Registration and enrolment

[What are the requirements to enrol in a bachelor's degree course?](#)

Legalisation of foreign documents

All documents issued in non-EU countries must be [legalised and bear the corresponding apostille](#).

PROFESSIONAL OPPORTUNITIES

Professional opportunities

- Detection, diagnosis, prevention and treatment of visual health problems.
- Adaptation of glasses and contact lenses.
- Vision rehabilitation and consulting in vision care and ergonomics.
- Measurement and diagnostic testing for surgery.
- Medical-technical establishments related to optics.
- Hospitals, health centres and primary care centres.
- Ophthalmology centres and surgeries.
- Optical industry: technical, commercial and management positions.

ORGANISATION: ACADEMIC CALENDAR AND REGULATIONS

Academic calendar

[General academic calendar for bachelor's, master's and doctoral degrees courses](#)

Academic regulations

[Academic regulations for bachelor's degree courses at the UPC](#)

Language certification and credit recognition

Queries about [language courses and certification](#)

Terrassa School of Optics and Optometry (FOOT)

CURRICULUM

Subjects	ECTS credits	Type
FIRST COURSE		
Chemistry for Vision Sciences	6	Compulsory
Geometrical Optics	6	Compulsory
Head Anatomy and Histology	6	Compulsory
Mathematics for Optics and Optometry	6	Compulsory
Physics	6	Compulsory
SECOND COURSE		
Optical Materials	6	Compulsory
Photometry and Optical Instruments	6	Compulsory
Visual Optics	6	Compulsory
Visual System Anatomy	6	Compulsory
Wave Optics	6	Compulsory
THIRD COURSE		
Binocular Vision Bases	6	Compulsory
Clinical Procedures in Optometry	6	Compulsory
Ophthalmic Lenses	6	Compulsory
Optometrics Instruments	6	Compulsory
Physiology and Biochemistry	6	Compulsory
FOURTH COURSE		
(Ang) Adaptació d'Ulleres	6	Compulsory
Binocular Vision Dysfunctions	6	Compulsory
Microbiology	6	Compulsory
Psychology and Public Health	6	Compulsory
Visual Perception	6	Compulsory
FIFTH COURSE		
(Ang) Dispensació i Muntatges d'Ulleres I	3	Compulsory
Advanced Clinical Procedures	3	Compulsory
Basic Contact Lens	6	Compulsory
Paediatric Optometry and Strabismus	6	Compulsory

Subjects	ECTS credits	Type
Pathology	6	Compulsory
Statistics and Epidemiology	6	Compulsory
SIXTH COURSE		
(Ang) Dispensació i Muntatges d'Ulleres II	3	Compulsory
Applied Contact Lens	6	Compulsory
Contact Lens Clinics I	3	Compulsory
Geriatric Optometry and Low Vision	3	Compulsory
Optometry Clinics I	9	Compulsory
Pharmacology	6	Compulsory
SEVENTH COURSE		
Contact Lens Clinics II	3	Compulsory
Optical Shop Managing	3	Compulsory
Optometry Clinics II	9	Compulsory
Practicum	18	Compulsory
Visual Therapies	3	Compulsory
EIGHTH COURSE		
Bachelor's Thesis	6	Project