MASTER in CHEMISTRY at the Interface with BIOLOGY and MATERIALS Science

YOU WANT to be part of IT!
WHAT WE OFFER?

EXPERIMENTAL MOBILITY
MULTIDISCIPLINARY
90 ECTS 1.5 YEARS
ENGLISH
INTERNATIONAL
MENTORING

Funding opportunities will be available for the top students.

WHY THIS MASTER?

Top Quality Education
A five-hundred-year-old University with over 25,000 students and about 2,000 lecturers and researchers, among the top 10 Universities in Spain according to the US News “Best Global Universities Ranking”.

Vibrant and Stimulating Working Environment
Students will be embedded in the Centre for Research in Biological Chemistry and Molecular Materials (CiQUS), an international reference in multidisciplinary research at the interface of chemistry, biomedicine and molecular materials.

Groundbreaking Research
The CiQUS hosts up to 5 ERC grantees which hold 8 ERC projects, one of the most prestigious grants in the European Union.

International City
Santiago de Compostela was declared World Heritage Site by UNESCO in 1985. It is Galicia’s most cosmopolitan city, attracting visitors and pilgrims from all over the world during the whole year.

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WHO SHOULD APPLY?

Prospective students should hold a bachelor’s degree in Chemistry or in another major which included training in Chemistry and is related to the programme's learning objectives (Biology, Pharmacy, Physics, Biochemistry, Biotechnology, Chemical Engineering).

Students will be exposed to a leading international research environment, and will have the opportunity to acquire the necessary practical skills and knowledge to start a research path, by enrolling in a PhD programme, or to pursue a successful career in different industrial sectors (chemistry, pharmaceutical, biotechnology, nanotechnology, among others).

WHAT DO OUR STUDENTS THINK?

Maximilian Maier
GERMANY

The proximity to research projects at the frontier of knowledge, the lectures taught in English and the highly interdisciplinary training orientation form the basis for starting a promising research career”

Charlene Harriswangler
SPAIN

What I’ve loved about this programme so far is the opportunity we’ve had to learn about many different fields and the chance to be able to develop our research on these topics at the CiQUS”

Antía Fernández
LEBANON

Not many other Masters value research and hands-on training in state-of-the-art experimental techniques that much in their programme. This Master shows us how different scientific disciplines can come together in Science to face global challenges”

Racha Wehbe
LEBANON

The international atmosphere at the CiQUS and the prestigious research groups were the reason to come here and enjoy being part of this master”

STUDY PROGRAMME

3 SEMESTERS | 90 ECTS | 5 MODULES

MODULE I - Structural Characterisation

12 ECTS

- Magnetic Resonance
- Microscopy
- Colloidal and Interface Characterisation
- Spectroscopic and Spectrometric Techniques

MODULE II - Biological Chemistry

12 ECTS *

- Biological and Cellular Chemistry
- Supramolecular Chemistry
- Experimental Techniques in Molecular Biology and Medicine [OPTATIVE]
- Biophysics [OPTATIVE]

MODULE III - Functional Materials

12 ECTS *

- Nanostructure Materials
- Molecular Materials
- Molecular Magnetism [OPTATIVE]
- Nanobiotechnology [OPTATIVE]

MODULE IV - Reactivity and Synthesis

12 ECTS *

- Catalysis
- Chemical Synthesis
- Determination of Reaction Mechanisms [OPTATIVE]
- Computational Chemistry [OPTATIVE]

MODULE V

48 ECTS

- Tutored Training Activities
- Introductory Research Project
- Master Dissertation

For further information and contact:

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