

Why this Master?

Because analytical laboratories play a crucial role in modern societies:
analysis of food and drinking water affect the health of whole populations;
medical decisions depend on the results of clinical analysis;
environmental assessment is performed through chemical analysis, which is decisive for pollution control;
even court trials are more and more dependent on the result of forensic analysis;
the economic value of goods, like metal ores and oil, is decided based on chemical analysis, and in this way the reliability of the analyses performed affects not only local trade, but also the world economy.

Nowadays, laboratories are required to adopt quality systems conforming to international standards, in order to assure that results are reliable and comparable worldwide.

EMQAL prepares professionals for analytical laboratories, focusing on laboratory management and quality systems, along with complementing their technical knowledge.

With the support of Erasmus Mundus programme of the European Union.



How is it structured?

The programme lasts 24 months (120 ECTS): one year of classes (60 ECTS), which takes place in the host university, and one year of research project and thesis (60 ECTS), in another European university of a different country. This project can be partially done in one of the non EU-universities and/or one of the ca. 20 associated partner institutions. The course is designed so that students acquire the three general skills essential for managing a laboratory: technical, managing and statistical skills. Lectures are organized in three disciplines:

- Analytical Methods.
- Data Analysis.
- Quality Management.

All classes are optional. Students take 30 modules and must fulfill a minimum of 5 modules from each discipline. According to his/her background, each student can choose from a wide range of options fitting his/her professional and personal interests, namely in water analysis, food analysis or clinical analysis.

Studentships

The European Commission provides a limited number of grants per year according to the Erasmus Mundus rules.

Where will you study?

The host university rotates every year among:

University of Barcelona (Coordinator)
University of Algarve
University of Bergen
University of Cádiz
Gdansk University of Technology

Selected students may take part of their research thesis in:

Central South University (China)
University of Sao Paulo (Brazil)
Novosibirsk National Research State University (Russian Federation)
or another associated partner of the consortium.

Who can apply?

The main requirements for admission are:

- 1) A strong academic background in appropriate disciplines such as Chemical and Biochemical Sciences, Biological Sciences, Health Sciences, Food Sciences or Environmental Sciences.
- 2) Demonstrated command of the English language.

Online Applications:
www.emqal.org



What can you get from Erasmus Mundus?

Improve your studies in a truly international environment

1 year of classes + 1 year of research project

Study with the best experts in the field

Lectures in English

Improve your English and learn new languages

Work with other students from all countries of the world

Choose your lectures from a wide range of optional modules

Get a highly valued degree, recognised in several european countries

You can apply for an Erasmus Mundus Studentship

