Accredited Master's Degree

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More info

eunice-university.eu

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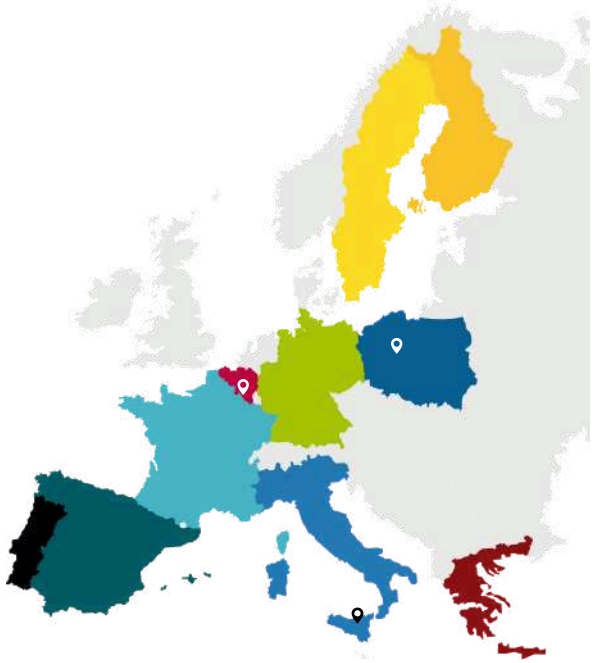

A joint Master's Degree by

UMONS University of Mons

Politechnika Poznańska – Poznan University of Technology

Università di Catania

eunice EUROPEAN UNIVERSITY

MASTER´S DEGREE

Bioinspired Chemistry

Co-funded by the European Union

Objective

The Master program in Bioinspired Chemistry explores and takes inspiration from structures and assemblies found in nature to design new approaches for facing challenges in health, energy, information technologies, materials, and catalysis. This emerging area implies a multidisciplinary approach gathering domains of (bio)chemistry, (bio)materials, supramolecular systems, macromolecules, nanomedicine, self-organization, and nanosciences.

This program offers a unique opportunity to explore and get inspired by living systems to develop cutting-edge technologies.

KEY DETAILS

Start of studies - September

Language - English

Duration - 12 months

Credits - 60 ECTS

Mobility - 3 to 5 months

MAIN SUBJECTS

- **Bioinspired systems**
- **Biomimetics**
- **Supramolecular Chemistry**
- **Biomaterials**
- **Biophysical Chemistry**
- **Functional Macromolecules**
- **Nanomedicine**
- **Biointerfaces**
- **Sustainable & Environmental Chemistry**
- **Smart Materials**
- **Clean Energy**
- **Catalysis**

And after?

The sector of bioinspired chemistry has a potential leading role to play in addressing some of the most important challenges that humanity must solve, such as developing new biomaterials for health, drug-delivery systems, adaptive materials with life-like properties, improved catalysts that function in water, high-density information storage systems, etc.

Potential jobs

- Experts or project managers/officers in private companies from different sectors, such as R&D engineering, biomaterials, pharmaceutics, nanomedicine, catalysis, etc.
- Public sector
- PhD studies in the field of bioinspired chemistry and biomaterials

ENROLMENT

Admission requirements

Open to any European student **enrolled in one of the three partner universities** of this program with a Bachelor's Degree in **Chemistry/Physics/Biology/Engineering**.

Students must have the ability to attend courses delivered in English: at least **B2 level**.

Information regarding the application procedure will be provided by each institution.

Scholarships

Inquire about scholarships via email.