

MASTER

Environmental Contamination and Toxicology (ECT+)

Program factsheet

CONSORTIUM

6 universities:

- › Spain: University of the Basque Country (UPV/EHU) (coordinator institution)
- › France: University of Bordeaux (UBx), University of Pau and Pays de l'Adour (UPPA)
- › Norway: Norwegian University of Science and Technology (NTNU)
- › Portugal: University of Porto (UPO)
- › Belgium: University of Liège (ULiège)

LEVEL

Joint or Double Master of Science degree awarded by the consortium universities where the student has studied.

UPV/EHU, ULiège, NTNU and UPorto will deliver a Joint Diploma issued by UPV/EHU. A separate parallel Diploma (Double degree) is issued by either UBx or UPPA for students following Semester 1 in those institutions.

PROGRAM DURATION

2 years (120 ECTS).

Program outline

ECT+ is an Erasmus Mundus Joint Master Degree. Multidisciplinary and international, ECT+ provides postgraduate training in the fields of ecotoxicology, toxicology and environmental chemistry, with innovative practical components.

The program focuses on understanding interactions between chemical pollution, the contamination of living organisms and ecosystem disturbances. It also specializes in environmental health risk management, in relation to the use and disposal of chemicals in a scenario of global change.

Students benefit from advanced knowledge in a variety of disciplines such as analytical and environmental chemistry, ecotoxicology, cellular and molecular biology, global chemical issues, ecology, ecosystem health assessment, environmental policies and risk management, in accordance with European treaties, conventions and directives.

ADMISSION REQUIREMENTS

Candidates must fulfill the following requirements:

- › Hold a Bachelor degree or equivalent from a European or third country university in the field of engineering, geosciences, oceanography, biosciences, veterinary, health sciences, chemistry, or environmental sciences.

LANGUAGE REQUIREMENTS

All courses are taught in English. Proof of proficiency in English is essential.

Applicants whose native language is not English are required to pass a recognized international English test such as TOEFL (score 220 CBT, 550 PBT, 80 IBT), Cambridge Advanced English Test (score B or higher), IELTS (score 6.5 or higher), TOEIC (800) or other English equivalent test, or an equivalent approved by the Joint Program Board of the Consortium (JPB).

TUITION FEES

Annual fees:

- › 9,000€ partner country¹ students
- › 4,500€ program country² students
- › Scholarships, fee waivers and degree loans available

¹Erasmus Mundus scholarship holders are exempted of fees

²See website for details and information on what defines program and partner country students: www.ectplus.eu/application-enrolment/fees/

Scholarships:

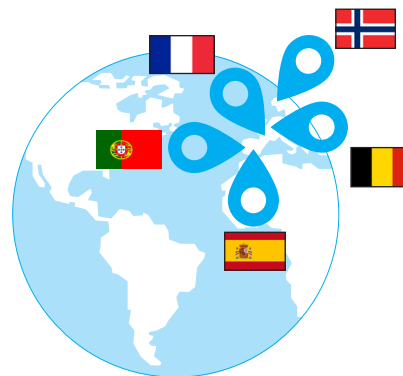
- › Erasmus Mundus scholarships
- › Erasmus+ mobility grants
- › Please note: it is not possible to benefit from more than one source of European funding

Students choosing to study in Bordeaux:

- › Mobility grants available according to excellence criteria funded by the Initiative of Excellence in Bordeaux and Bilbao (i.e. Euskampus, IDEX-International Master)
- › Mobility grants through the Aquimob platform e.g. *mobility grants available according to excellence / social criteria funded by the partner institutions and by regional governments*

Program structure

Student mobility is **compulsory**. Each student must enroll at three of the six partner universities.



Sem 1

FUNDAMENTALS in ECT (30 ECTS)

UBx or ULiège or UPPA

UBx

- Environmental Data Analysis
- Biogeochemistry of Environmental Pollutants
- Environmental & Analytical Chemistry
- Terrestrial & Aquatic Ecology & Ecophysiology
- Fundamentals In Toxicology & Ecotoxicology

Sem 2

ADVANCED & APPLIED ECT (30 ECTS)

- Environmental & Analytical Chemistry
- Ecology Assessment & Ecosystem Management
- Ecotoxicology
- EU Cases Issues

NTNU or EHU or UPO

Sem 3

CAREERS IN ECT (30 ECTS)

- Research in ECT
- Environmental Pollution Risk Management
- Professional/Research Stages

EHU

Sem 4

MSc THESES RESEARCH (30 ECTS)

- Research Project

All Partners

Strengths



Students follow a joint program, combining different disciplines that can be studied at each of the 6 partner universities. They may further tailor their study program by choosing between alternative mobility pathways that provide 6 career profiles:

- › Aquatic contamination and toxicology;
- › Soil contamination and toxicology;
- › Arctic contamination and toxicology;
- › Water quality and wastewater contamination;
- › Environmental analytical chemistry;
- › Environmental risk assessment.

→ And after?

- › Graduates will be prepared for leadership roles concerning the environment and within various sectors such as research, environmental protection and management, chemical industries, non-governmental organizations and all levels of governing bodies from local to global.

- › Career profiles include managers, planners, policy makers, researchers or advisors who can make a difference in environmental management and the chemical industry.

How to apply?

Online application:

- › www.ectplus.eu

Deadlines:

- › For Erasmus Mundus scholarships: November-March
- › For self-funded students: April-May

Contact

ECT+ program and application procedure:

Master Secretariat at the coordinating University

- › ect@ectplus.eu

Bordeaux track:

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