

Erasmus Mundus master's degree in Risk Assessment and Management of Civil Infrastructures (NORISK)

The **Erasmus Mundus master's degree in Risk Assessment and Management of Civil Infrastructures (NORISK)** will provide students with advanced knowledge and skills to work and develop a professional career in assessment, management, reliability and risk analysis, monitoring, digitalisation and intervention in civil infrastructure, particularly that which supports human activities and/or is considered critical, such as infrastructure connected to energy, transport, communications, water, health, defence and national security, and the banking and financial sectors. In fact, risk assessment, combined with concepts such as reliability, robustness, resilience and sustainability, is a keystone of optimised asset management that is cross-sectional to all this infrastructure and all these sectors.

NORISK will exploit the common denominators that exist in all these sectors by addressing risk assessment towards better management. Therefore, this programme addresses the following key areas in the management of civil infrastructure that are not being conveniently addressed in the general curricula of classic bachelor's and master's degrees:

- Risk assessment and management.
- Reliability and resilience.
- Management and decision-making tools.
- Monitoring and digitalisation.
- Assessment and intervention.

The consortium involves four higher education institutions with noted educational experience in composites: Universidade do Minho, Università di Padova, La Rochelle Université and Universitat Politècnica de Catalunya.



**CoFunded by
the European Union**

GENERAL DETAILS

Duration and start date

1 academic year, 60 ECTS credits

Timetable and delivery

Face-to-face

Language of instruction

English

Information on [language use in the classroom and students' language rights](#).

Location

[Barcelona School of Civil Engineering](#)

ADMISSION

General requirements

[Academic requirements for admission to master's degrees](#)

Places

20

Pre-enrolment

To enrol for an interuniversity master's degree coordinated by a university other than the UPC, you must enrol through the coordinating university:

ORGANISATION: ACADEMIC CALENDAR AND REGULATIONS

European programme

Erasmus Mundus

UPC school

Barcelona School of Civil Engineering (ETSECCPB)

Participating institutions

Universitat Politècnica de Catalunya (UPC)

La Rochelle Université

Universidade do Minho (Portugal) - **coordinating** university

Università degli Studi di Padova (Italy)