

# Master's degree in Geological and Mining Engineering

This joint **master's degree in Geological and Mining Engineering** provides advanced training in geological and geotechnical characterisation of the ground, prediction and analysis of ground behaviour in the execution of engineering works, prediction of geological hazards, and the location and evaluation of geological resources, including mineral and hydrogeological resources and construction materials. The course provides the knowledge and skills required to plan, manage and execute public works in which geological and geotechnical factors come into play, and to perform the tasks involved in locating, evaluating, managing and protecting natural resources.

Graduates are qualified to practise the **regulated profession of industrial engineer**. The course also provides access to various doctoral programmes, and students have the option of completing part of their studies within the framework of a number of academic exchange programmes, under agreements with prestigious universities and engineering schools around the world.

At the UPC, the master's degree in Geological and Mining Engineering and the bachelor's degree in Geological Engineering form an integrated programme.

## Specialisations

- Environmental Engineering
- Geotechnical Engineering
- Mineral and Energy Resources