

Bachelor's degree in Mineral Resource Engineering and Mineral Recycling

By taking the bachelor's degree in **Mineral Resource Engineering and Mineral Recycling** (formerly the bachelor's degree in Mining Engineering), you will acquire the competencies needed for professional practice as a technical mining engineer, particularly skills related to sustainability and the circular economy. The knowledge you will acquire will allow you to practise in a wide range of fields, such as the use of natural resources, civil works, applied geology, spatial planning and environmental management.

GENERAL DETAILS

Duration

4 years

Study load

240 ECTS credits (including the bachelor's thesis). One credit is equivalent to a study load of 25-30 hours.

Delivery

Face-to-face

Fees and grants

Approximate fees per academic year: €1,660 (€2,490 for non-EU residents). [Consult the public fees system based on income \(grants and payment options\)](#).

Location

[Manresa School of Engineering \(EPSEM\)](#)

ADMISSION

Places

40

Registration and enrolment

[What are the requirements to enrol in a bachelor's degree course?](#)

Legalisation of foreign documents

All documents issued in non-EU countries must be [legalised and bear the corresponding apostille](#).

PROFESSIONAL OPPORTUNITIES

Professional opportunities

- Supervision of underground and open-cast mining activities. Management of work teams and machinery.
- Management of land restoration.
- Supervision in waste treatment plants.
- Supervision in aggregate treatment plants and cement, concrete and ornamental and industrial rock manufacturing plants.
- Groundwater management
- Blast design in mines and civil works.
- Quality control and characterisation tests of pyrotechnic materials
- Supervision in public and private works (roads, dams, buildings).
- Management of environmental impact studies.
- Management of work teams in surveying and preparation of surface and underground surveys.
- Writing and analysis of geotechnical reports.
- Technical work in spatial planning and management.
- Technical work in occupational safety.
- Technical work in organisation and quality control.

- Technical work in areas of public administration related to the profession.
- Teaching at secondary schools and universities.
- Research for R&D projects.

ORGANISATION: ACADEMIC CALENDAR AND REGULATIONS

Academic calendar

[General academic calendar for bachelor's, master's and doctoral degrees courses](#)

Academic regulations

[Academic regulations for bachelor's degree courses at the UPC](#)

Language certification and credit recognition

Queries about [language courses and certification](#)

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