

## MSM

The Master on Sustainable Minerals aims at a high-level academic instruction of future professionals of the mining industry in all its facets, from exploration to mining, plant operation and management.

Mining is the productive sector in which global growth is borne. Mining-related problems must be handled so that they do not limit the raw materials supply needed for the technological development of the World. In particular, environmental affections, social responsibility and sustainability, are the key challenges that mining must manage for a prosperous future.



INTERNATIONAL  
CAMPUS OF  
EXCELLENCE



**Universidad Politécnica de Madrid**

**E.T.S.I. Minas y Energía**

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28003 Madrid, Spain

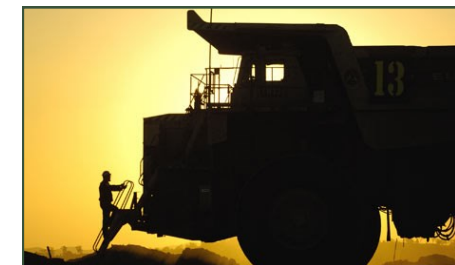
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Universidad Politécnica  
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*E.T.S.I. Minas y Energía*

## Sustainable Minerals

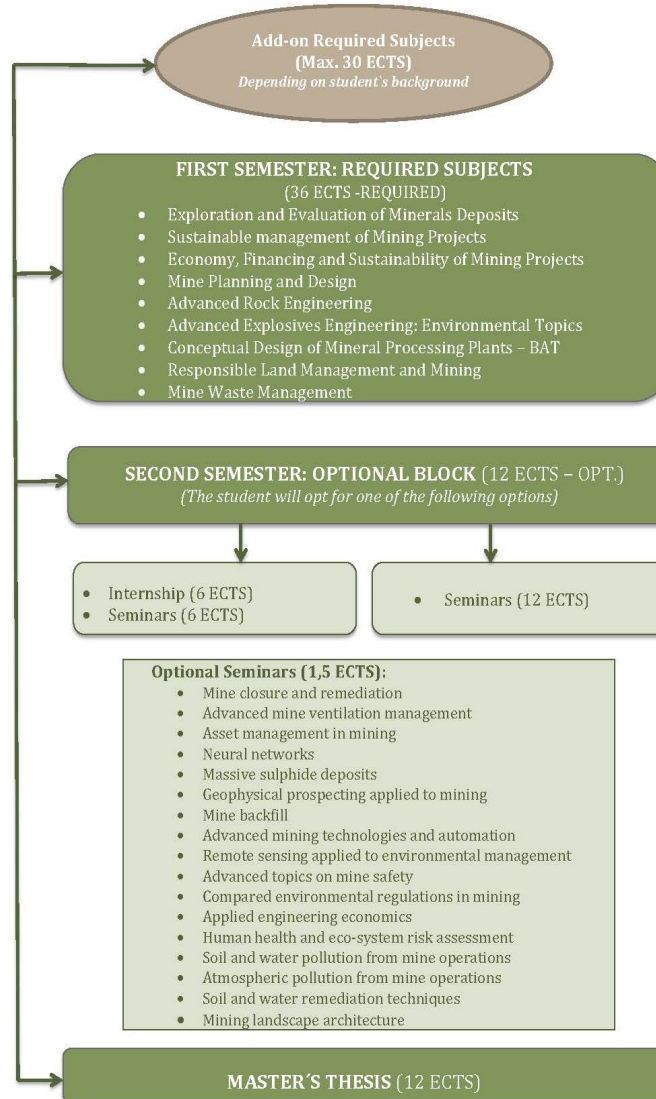


# Master Sustainable Minerals

- UPM's official master degree.
- **Intended** for mining, geological and geotechnical engineers, civil engineers, geologists and Earth Sciences graduates. Up to 30 credits foreseen for leveling of graduates from other fields of engineering.
- **Topics:** Mining Technology, Environmental, Economics & Management.
- **Credits:** 60 ECTS.
- **Duration:** One academic year (2 Semesters).
- **Languages:** Bilingual English/Spanish (more than 50 % of the courses given in English).
- **Location:** ETSI Minas y Energía (Universidad Politécnica de Madrid)



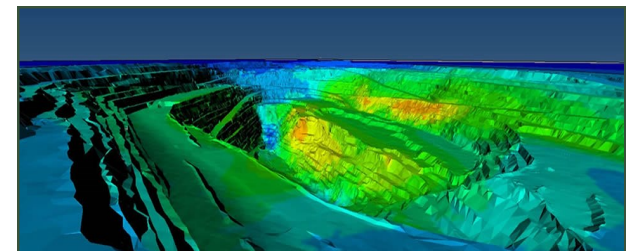
## Structure



## Topics

- Mining technology and management
- Efficient and sustainable production of raw materials
- Environmental and social aspects
- Global raw materials scenarios
- Ethics and leadership.

The Master on Sustainable Minerals boasts the support of major exploration, mining and equipment manufacturing companies.



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