



A benchmark course at the heart of the history of Mines Paris - PSL

MS® MIRIS is at the heart of Mines Paris - PSL's mission to **support digital transformations and ecological transitions**.

MS® MIRIS is also part of the school's history. Building on nearly 40 years of executive training on mining industry issues, between 1974 and 2012, **Mines Paris - PSL created the MS® MIRIS in 2014, whose vocation is to train responsible mineral resources industry professionals**. The MS® MIRIS aims to support the mining and quarrying sector in integrating mining projects, from exploration through to post-mining operations, into their physical and human environment, in consultation with local stakeholders.



An international program co-accredited by three engineering schools

The MS® MIRIS is sponsored by **Mines Paris - PSL**, and co-accredited by the **École Nationale Supérieure de Géologie de Nancy (ENSG)** and the **École des Mines de Nancy**.



The program is part of the “Chaire Industrie Minérale et Territoires”, a research and training chair that supports two to three MS® MIRIS students each year by paying the tuition fees.



High-level training for committed professionals

The MS® MIRIS is designed for:

- ✓ Mining industry professionals;
- ✓ Environmental engineers;
- ✓ Experienced senior technicians;
- ✓ Executives and decision-makers in economic and social development;
- ✓ Senior civil servants in charge of mining and land management;
- ✓ Teachers, trainers, etc.

To apply for the MS® MIRIS program, you need to have a Master 2, an engineering degree or equivalent. You can also apply if you do not have a Master 2, engineering degree or equivalent, if you can demonstrate at least 5 years' experience in the training field.





Training for the responsible mining industry

A one-year, three-part program of ~900 hours of instruction immerses students in the issues facing the mineral resources industry:

Common course (oct-jan)

- Field placement in engineering geology, mining and the environment;
- Mining process: exploration, mining and processing methods;
- Sampling ;
- Economics of mining projects;
- Environmental, social and human issues;
- Risk and safety management;
- Crisis simulation;
- Geopolitics, markets and the role of lawyers and banks.

Options (jan-april)

Two options :

- **Open-pit and underground mining operations**
(geomechanics and water management; deposit modeling, resource assessment and planning; “from prospecting to mining” workshop; technical aspects (blasting, sizing of equipment fleets, etc.); mining balances; uncertainties and risks; technical visits);
- **Mineral beneficiation and processing** (mineral/water interface characterization; resource modeling and evaluation; mineral raw materials exploitation; mineral processing case studies; advanced mineral processing; recycling; resource management).

Final year project (May-Sept)

The final project is a study and research project applied to each MS® option. The subject is defined by the student and his or her home organization or company in relation to his or her current or future professional concerns. During this assignment, the student is doubly supervised by an industrial tutor and an academic tutor.



Useful informations

Duration	12 months, from October to September
Application period	January-June
Application form	CV + cover letter+ application form to be found here
Start date	Beginning of October
Language	English (French if all students speak French on the start date)
Price	8,500-16,000 EUR (excl. Accomodation expense)

Tuition fees

- Individual application: 7 500 EUR
- Company application: 15 000 EUR

+

Registration fees
800 EUR

+

CVEC
~100 EUR

+

Accomodation
expenses

Contact

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