

Sustainable Minerals Institute

MINE SITE ENVIRONMENTAL MANAGEMENT

This training course is designed to equip junior environmental personnel with the technical skills necessary to comply with environmental conditions and implement aspects of best practice environmental management. Recent changes to government expectations means environmental teams must be proficient in the management of a broad range of environmental issues.

Each component of the course includes discussion of relevant legislative requirements, theory and academic advancements, and application of new knowledge to complete a hands-on activity.

Upon completing the course, participants will have a comprehensive understanding of:

- **Mine water management:** hydrology, water balance, water quality, groundwater, regulated structures.
- **Mineral residues:** Life-of-Mine disposal strategy, geochemistry, geotechnical stability, monitoring and closure considerations.
- **Rehabilitation:** planning, landform design and construction, ecosystem establishment, drainage and erosion, biodiversity and pest control, monitoring and performance indicators.
- **Closure:** financial assurance, planning and assessment
- Technical tools used in environmental assessment studies
- Airborne contaminants, noise and vibration
- Cultural heritage
- Greenhouse gases
- Waste management and the circular economy

Detailed contents for each training module are available at: smi.uq.edu.au/msem



Benefits

- Acquire all skills related to technical and legal aspects of open cut and underground mine site environmental management
- Improve the performance of your environmental team and establish greater collaboration within the mines
- Expand your technical skills to future-proof your career in environmental management for the mining sector
- Establish a network of peers for knowledge-sharing and support

Assessment

Each module requires a piece of assessment to be completed. These are hands-on activities related to a potential environmental improvement at the mine.

Assessment guidance material will be provided along with the course material.

In order to receive certification, participants must successfully complete the assessments with a grade of more than 75% in each.

This course has been developed by world-class researchers at the Sustainable Minerals Institute.

Who?

This course is designed for junior environmental personnel employed at Australian mine sites.

Where?

The course is delivered at The University of Queensland's St Lucia campus, ensuring participants are immersed in a learning environment and are not distracted by other commitments.

When?

Training modules are delivered over three weeks spread through the year.

The course is offered every year, with each training period occurring at roughly the same time.

Course participants may attend all three periods over the course of a single year or complete it over two to three years.

The number of course participants is capped at 20 to ensure optimum learning conditions. Registrations open first to participants intending to complete the course in a single year, with registration opening later for individual weeks or modules if spots are available.



Module	Course Duration
Week 1 Water and mineral residues	Four days
Week 2 Rehabilitation, closure and modelling	Four days
Week 3 Airborne contaminants, noise and vibration, cultural heritage, greenhouse gases, and waste and the circular economy	Three and a half days

Cost

\$14,500 for the whole course
\$5000 for an individual week.

Register Now

smi.uq.edu.au/msem



CRICOS Provider Number 00025B

For further details, please contact:

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