AusIMM Courses

The Mining System

ASSOCIATE CERTIFICATE



See the bigger picture. Understand the system. Contribute with confidence.

Course overview

Guided by an industry expert, this five-week course is designed to equip mining professionals with practical skills to improve operational performance. Focusing on the Management Operating System (MOS), it provides a comprehensive overview of key areas including MOS components, implementation, continuous improvement and emerging technologies. You'll also examine the structure, execution, and limitations of Life of Mine Plans.

The course explores operational reporting frameworks, predictive software, KPI integration, and governance standards. In the final module, you'll delve into broader aspects of mining such as leadership, financial reporting, resource estimation, and mine accounting—all reinforced with real-world case studies.

- Flexible online delivery
- Digital badge on completion

Why this course matters

Informed professionals make stronger contributions to mining operations. Whether you're new to the industry or supporting from a non-technical role, understanding the full mining system enhances communication, collaboration, and impact. This course is designed to:

- Demystify mining processes
- Break down silos between technical and non-technical teams
- Support better decision-making with system-wide awareness
- Strengthen onboarding and cross-functional understanding

Who should enrol?

AusIMM Courses are open to all, with no formal prerequisites; however, this course is ideally suited to supervisors or superintendents as well as engineers who are interested in becoming a mine manager or transitioning to a higher level of management or mining operations.

This course is also applicable to people who would like to get a broader view of mining operations or who are in functions that support mining operations (not solely mining engineers).

PD hours
20 hours

Delivery
100% online

Duration
5 weeks

Certificate
Digital credential

Pricing

Member $1,722
Non-member $2,100

Prices are in Australian dollars and are inclusive of 10% GST

Discounts available when 3 or more participants book together.

Scan for more information

ENROL NOW

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What you'll learn

Gain practical skills to enhance mine performance through effective planning, reporting, accounting, and management systems. You'll learn how to:

- Use Management Operating Systems (MOS) to drive strategy and performance
- Develop and evaluate Life of Mine Plans (LOMP)
- Build and interpret mine operations reporting systems
- Apply mine accounting to support decision-making and compliance
- Understand how supply chains and production planning impact profitability
- Case studies from real-world mining operations

Career outcomes

- Build confidence to contribute more effectively in mining environments
- Strengthen internal communication and collaboration
- Support career transitions or development in the mining sector

Organisational benefits

- Accelerate onboarding of new staff and contractors
- Promote cross-functional understanding across departments
- Enhance collaboration and reduce miscommunication
- Upskill support teams to better align with technical operations

Understand mining systems. Support success

Make the right impact with a clearer understanding of how the system works. This course provides the knowledge and context needed to align with business goals and contribute confidently to mining projects.

Don't let knowledge gaps hold your team back. Upskill yourself or your workforce with a structured guide to mining systems that builds clarity, confidence, and cross-functional alignment.

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Facilitators

See full facilitator profiles on our course page.



Joanna Krzyzanowska
Senior Mining Engineer
Hatch

Joanna is a results focused and experienced mining professional with experience working across a broad range of commodities including diamonds, base metals and coal operations.
Her technical and operational background makes her incredibly qualified to project manage innovative mine solutions in both site based and in consultative roles.
She has leveraged these skills into project management and leadership roles with a focus on adding value, ensuring safe sustainable cash flow and growth through technical influence and strong relationships.

The Mining System modules

1 Management Operating System (MOS)

In this module you will learn about the Management Operating System (MOS):

1. Describe the role of MOS in delivering strategy.
2. List the key components of a MOS.
3. Identify the critical success factors of successful mine asset management systems.
4. Recognise the opportunities of emerging MOS technologies.
5. Construct a personal plan of action to identify opportunities for MOS enhancement.

2 Life of Mine Planning (LOMP)

In this module you will learn about Life of Mine Planning (LOMP):

1. Describe the principles of life-of-mine planning and the mine planning process.
2. List the general inclusions of a LOM Plan.
3. Compare open pit and underground mine scheduling and how they link to business outcomes.
4. Model the effect of the supply chain fluctuations on business outcomes.
5. Construct a personal plan of action to identify opportunities to improve mine planning in your workplace.

3 Mine Operations Reporting

In this module you will learn about Mine Operations Reporting:

1. Identify the key elements of an effective operations reporting system.
2. Examine the reports required to understand mine performance.
3. Describe techniques that maximise the interpretation and usefulness of mine operations reports.
4. Identify the minimum reports required for industry governance and compliance.
5. Construct a personal plan of action that will improve reporting effectiveness in your area of operations.

4 Mine Accounting

In this module you will learn about Mine Accounting:

1. List the key elements of mine accounting.
2. Assess mine accounting principles and systems.
3. Describe the main risk generating factors that influence the quality of resource estimates.
4. Examine mine valuation techniques.
5. Construct a personal plan of action that will improve estimates in your area of operations.