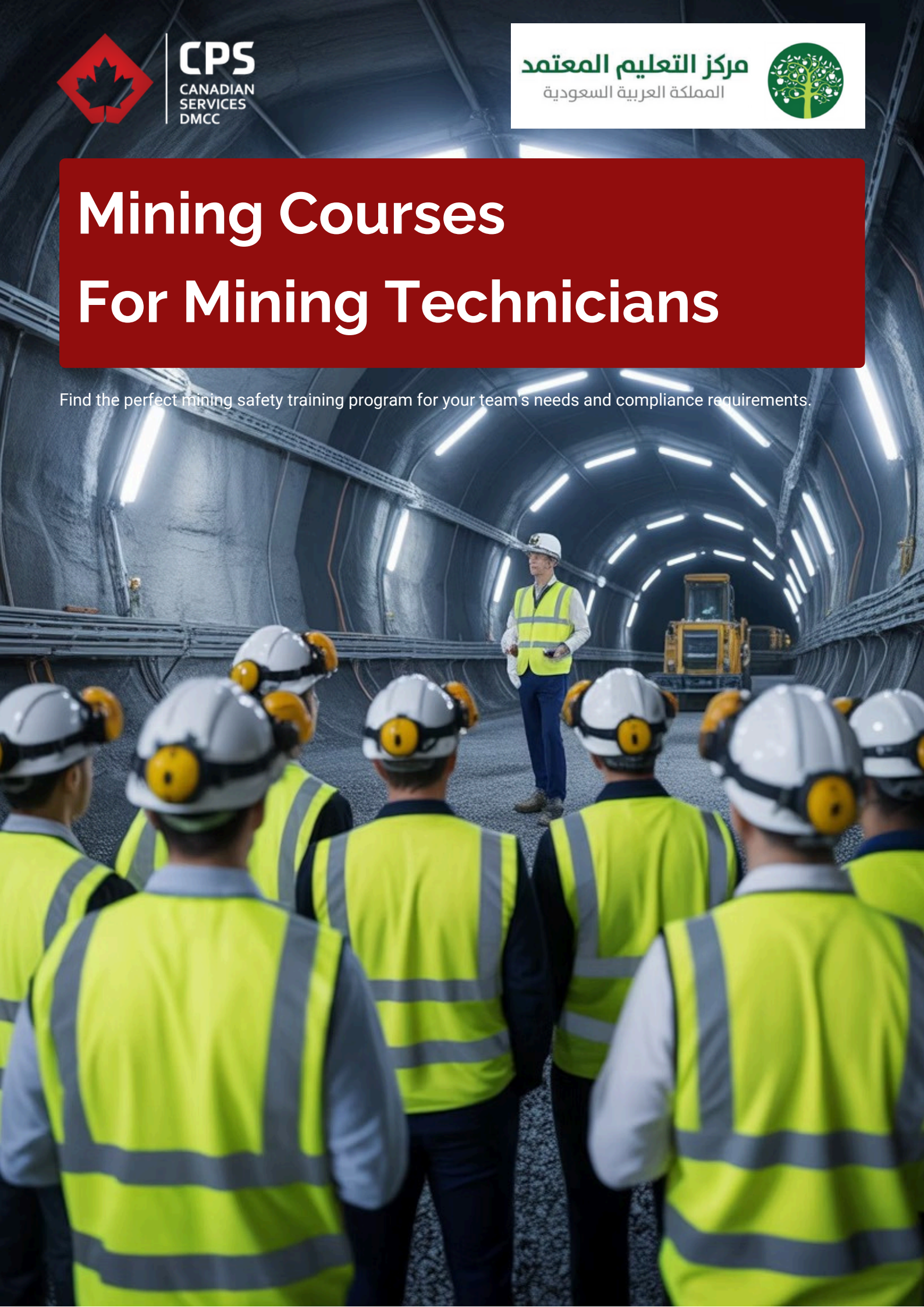
CPS
CANADIAN
SERVICES
DMCC

مركز التعليم المعتمد
المملكة العربية السعودية

Mining Courses For Mining Technicians

Find the perfect mining safety training program for your team's needs and compliance requirements.



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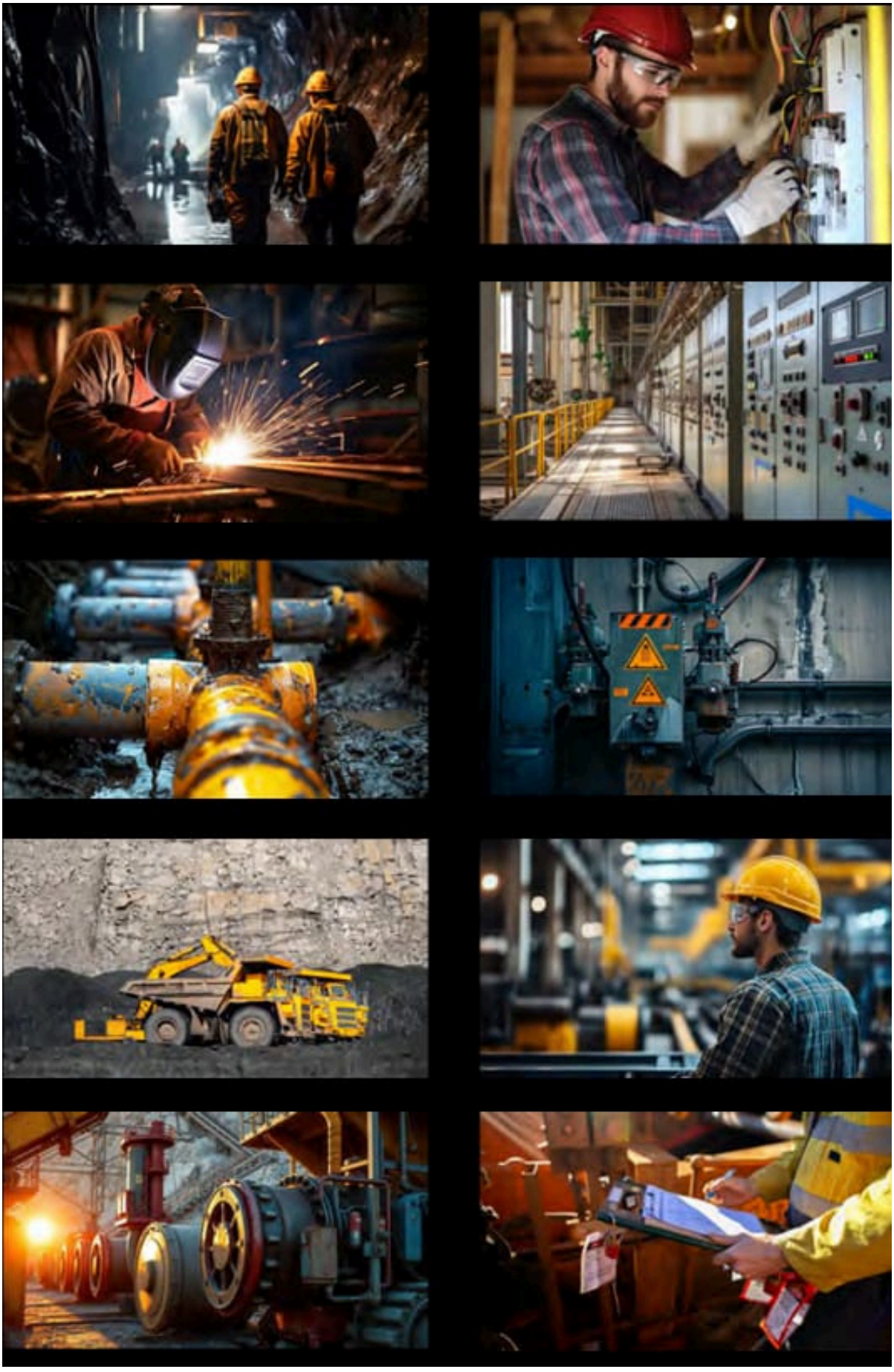
Course Comparison and Selection Guide

Course Name	Duration	Key Focus Areas	Ideal For
1- Hazard Identification and Risk Mitigation	5 Days	Risk assessment, hazard control	Entry-level workers, risk management personnel
2- Permit-to-Work, Isolation and Tagging Systems	6 Weeks	Permit systems, hazard analysis, WHS compliance	Workers performing high-risk tasks
3- Manual Handling in Mining Operations	5 Days	Safe lifting techniques, mechanical aids	Workers performing physical tasks
4- Process Operations	4 Weeks	Fluid systems, plant isolation, conveyor operations	Process plant assistants, junior operators
5- Safe Mine Operations	4 Weeks	Communication, hazard analysis, WHS compliance	Entry-level workers, industry transitioners
6- Working at Heights in Mining Operations	5 Days	Fall protection, height safety equipment	Staff performing elevated work tasks
7- Permit-to-Work, Isolation and Tagging Systems in Mining	6 Weeks	Permit systems, hazard analysis, WHS compliance	Workers performing high-risk tasks

All courses are aligned with nationally recognised Australian training units and provide comprehensive theoretical knowledge combined with practical, hands-on activities specific to mining environments. Select the appropriate course based on your role requirements and safety training needs.



1- Hazard Identification and Risk Mitigation in Mining Operations

Duration: 5 Days (5 training hours per day)

Target Audience: This course is intended for entry-level workers, contractors, and support staff working in surface or underground mining environments. It is also essential for any personnel who are involved in operational risk management or are transitioning into roles that require hazard identification and control in high-risk mining settings.

Course Description:

This 5-day course is based on the nationally recognised Australian unit RIIRIS201E 3 Conduct Local Risk Control, and is designed to equip mining personnel with practical skills and knowledge to identify workplace hazards, assess risk levels, and implement basic risk control strategies. Through mining-specific examples and site-based scenarios, participants will learn how to apply structured risk management processes, complete risk assessment forms, tollow organisational procedures, and contribute to maintaining a safe mining environment. Practical sessions include mock inspections, risk rating exercises, and group-based mitigation planning using real-world mining hazards.

Course Description:

By the end of this course, participants will be able to:

- Recognise common and industry-specific hazards in mining operations.
- Apply risk assessment techniques to evaluate the likelihood and severity of hazards.
- Select and implement appropriate risk control measures.
- Use risk assessment tools and documentation according to site policies.
- Support a proactive safety culture through effective communication and reporting.

2- Permit-to-Work, Isolation and Tagging Systems in Mining

Duration: 6 Weeks (5 training hours per day)

Target Audience: This course is intended for mine site workers, maintenance personnel, and contractors who are required to perform or supervise tasks under a permit-to-work system, particularly in high-risk mining environments involving isolation procedures, confined spaces, or hot work.

Course Description:

This 6 Weeks course provides comprehensive training in the use of permit-to-work systems, hazard identification, and safe work procedures relevant to mining operations. It combines theoretical knowledge with hands-on activities aligned with Australian standards, ensuring participants are well-prepared to manage high-risk tasks such as, but not limited to, confined space entry, hot work and working at heights.

Included Units:

- MSMPER200 Work in accordance with an issued permit: Introduces different types of permits and procedures for working safely under permit conditions.
- MSMPER201 Monitor and control work permits: Focuses on the implementation, monitoring, and closure of work permits.
- RIIRIS201E Conduct local risk control: Develops the skills to identify and assess on-site hazards and apply risk control measures.

Course Description:

By the end of this course, participants will be able to:

- Follow and comply with permit conditions for performing high-risk tasks in mining environments.
- Identify and assess workplace hazards and apply appropriate control measures using risk management techniques.
- Monitor and supervise work conducted under a permit-to-work system to ensure compliance and safety.
- Conduct or contribute to pre-start risk assessments such as Job Safety Analyses (JSAs), hazard checklists and Toolbox Talk

3- Manual Handling in Mining Operations - Foundation Safety Skills

Duration: 5 Days (5 training hours per day)

Target Audience: This course is designed for entry-level workers, contractors, and support staff preparing to work in surface or underground mining environments. It is also suitable for current employees in the mining industry who require formal training or refresher knowledge in manual handling practices relevant to physically demanding tasks in mining operations.

Course Description:

This 5-day intensive course is based on the nationally recognised Australian unit MEM11011B - Undertake Manual Handling. It equips participants with the skills and knowledge required to safely perform manual handling tasks common in mining environments. Participants will learn how to identify manual handling risks, apply safe lifting techniques, use mechanical aids where appropriate, and follow organisational procedures to prevent injury and ensure compliance with workplace health and safety regulations. The training includes mining-specific scenarios such as handling heavy tools, moving mining equipment, and working in confined or uneven terrain, supported by practical exercises and site- based simulations.

Learning Outcomes:

By the end of this course, participants will be able to:

- Identify manual handling hazards and assess associated risks in mining contexts
- Apply correct manual handling techniques to reduce the risk of injury
- Select and use appropriate mechanical aids and personal protective equipment (PPE)
- Follow workplace procedures and legislative requirements related to manual handling
- Contribute to a culture of safety by reporting hazards and participating in risk control strategies

4- Process Operations

Duration: 4 Weeks

Target Audience: This course is designed for new entrants, process plant assistants, and junior operators in the mining and mineral processing industry. It is also suitable for workers transitioning from general labour roles to processing or production support roles within mining operations.

Course Description:

This 1-month hands-on training program provides foundational skills for working safely and efficiently in mining process plants. Aligned with nationally recognised Australian units, the course focuses on fluid handling, conveyor operations, and plant isolation in mineral processing environments.

Included Units:

- PMAPROD201 - Operate fluid flow equipment: Introduces participants to the operation of pumps, valves, pipelines, and other flow control systems used in mining processing facilities.
- PMASUP244 - Prepare and isolate plant: Teaches correct procedures for isolating equipment for cleaning, maintenance, or emergency response in accordance with plant safety protocols.
- RIPEO201E - Conduct conveyor operations: Equips participants with the skills and knowledge to operate and monitor conveyor systems used for transporting materials in mining and processing environments.

Learning Outcomes:

By the end of the course, participants will be able to:

- Operate fluid flow systems safely, following standard operating procedures.
- Recognise and respond to abnormal flow conditions in pipes and pumps.
- Safely prepare and isolate plant equipment for maintenance or shutdown.
- Operate and monitor conveyor systems to ensure safe and efficient material movement.
- Identify and report equipment faults and take appropriate action in accordance with site procedures.

5- Safe Mine Operations - Foundation Safety and Communication Skills

Duration: 1 Month (5 training hours per day)

Target Audience: This course is designed for entry-level workers, contractors, and support staff preparing to work in surface or underground mining operations. It is also ideal for individuals transitioning into the mining industry who need to understand essential safety and communication protocols.

Course Description:

This 1-month mining safety course covers workplace communication, hazard analysis, and WHS compliance - critical skills for safe operations in high-risk mining environments.

The extended duration allows for deeper learning through practical exercises and group discussions. This course covers 3 key units:

1. Communicate in the workplace

   Effective verbal and written communication for safe mining operations.

2. Conduct hazard analysis

   Identify hazards, analyze risks, and apply controls.

3. Work safely and follow WHS policies

   Understand safety policies, emergency procedures, and personal responsibility.

Training includes extended simulated mining scenarios, hazard analysis projects, safety briefings, and mock emergency drills.

Learning Outcomes:

By the end of the course, participants will be able to:

- Communicate clearly and respectfully with team members and supervisors in a mining context.
- Conduct hazard analysis using structured tools and apply suitable control measures.
- Apply WHS policies and procedures relevant to

6- Working at Heights in Mining Operations - Risk Awareness and Safety Skills

Duration: 5 Days (5 training hours per day)

Target Audience: This course is designed for new entrants, contractors, and operational staff working in surface or underground mining environments where tasks at height are performed. It is also ideal for existing mining personnel requiring certification or a safety refresher on heightrelated work in accordance with industry standards.

Course Description:

This 5-day safety course is based on the nationally recognised Australian unit RIIWHS204D 3 Work Safely at Heights. It provides participants with the critical skills and knowledge needed to safely perform tasks at heights in mining operations. The course focuses on hazard identification, use of height safety equipment, fall protection systems, and emergency response procedures specific to high-risk mining environments. Participants will engage in practical exercises simulating elevated work tasks such as accessing mining infrastructure, working on platforms, and conducting inspections at height4ensuring compliance with legislative and organisational safety standards.

Learning Outcomes:

By the end of this course, participants will be able to:

- Identify potential hazards and risks when working at heights in mining settings.
- Conduct pre-task risk assessments and implement control measures.
- Correctly select, inspect, and use fall arrest and restraint systems.
- Safely perform work at height following site-specific procedures.
- Respond effectively to height-related emergencies or incidents.

7- Permit-to-Work, Isolation and Tagging Systems in Mining

Duration: 6 Weeks (5 training hours per day)

Target Audience: This course is intended for mine site workers, maintenance personnel, and contractors who are required to perform or supervise tasks under a permit-to-work system, particularly in high-risk mining environments involving isolation procedures, confined spaces, or hot work.

Course Description:

This 6 Weeks course provides comprehensive training in the use of permit-to-work systems, hazard identification, and safe work procedures relevant to mining operations. It combines theoretical knowledge with hands-on activities aligned with Australian standards, ensuring participants are well-prepared to manage high-risk tasks such as, but not limited to, confined space entry, hot work and working at heights.

Learning Outcomes:

- By the end of this course, participants will be able to:

" Follow and comply with permit conditions for performing high-risk tasks in mining environments.
" Identify and assess workplace hazards and apply appropriate control measures using risk management techniques.

" Monitor and supervise work conducted under a permit-to-work system to ensure compliance and safety.

" Conduct or contribute to pre-start risk assessments such as Job Safety Analyses (JSAs), hazard checklists and Toolbox Talk (TBT).

Meet Your Expert Instructor:

Ewald Cronje

Technical Expertise

- 25+ years in mining engineering and safety operations
- Certified electrical isolation specialist with focus on mining hazard mitigation
- Lead technical assessor for Saudi Aramco and Ma'aden mining projects
- Developed permit-to-work systems implemented at 12+ major mining operations

Training Credentials

- Trained over 5,000 mining technicians and supervisors globally
- Developed curriculum for Saudi Mining Polytechnic's safety certification program
- Principal training assessor for Mining Qualifications Authority for 8 years
- Established 3 vocational mining safety training centers in South Africa and KSA

International Experience

- 10+ years working with Saudi mining operations including Ma'aden sites
- Led safety implementation teams at major mines across Africa and South East Asia
- Pioneered cross-cultural safety communication protocols for multicultural mining teams
- Certified instructor for NEBOSH International Mining Safety Certificate

Meet Your Expert Instructor:

François Edmund Wassermann

François Edmund Wassermann is a seasoned mining safety expert with over 20 years of experience in the industry. He has a deep understanding of the unique challenges and risks faced by mining operations, and has dedicated his career to developing effective training programs to keep workers safe.

As the lead instructor for this mining safety course, François brings a wealth of practical knowledge and real-world case studies to the classroom. His teaching style is engaging and interactive, encouraging participants to actively apply the principles of hazard identification, risk mitigation, and workplace communication to their own work environments.

With a passion for continuous learning and improvement, François is committed to staying at the forefront of mining safety best practices. He regularly collaborates with industry leaders, regulatory bodies, and safety organizations to ensure that the content of this course remains up-to-date and aligned with the latest safety standards and regulations.

Technical Expertise

Over 30 years as a qualified artisan with expertise in instrumentation and electrical systems.

Training Excellence

Dedicated trainer in Saudi Arabia since 2014, developing comprehensive mining safety curricula.

Industry Experience

Managed critical projects at SASOL Petrochemicals and Vale Coal Mining operations.

Practical Skills

Specializes in hands-on workshop training with focus on real-world applications.

François brings exceptional leadership as Technical Trainer and Course Coordinator at Site Skills Training. His background in high-voltage systems and commissioning provides valuable context for safety protocols.

Meet Your Expert Instructor:

Russell Brenchley

Leadership Excellence

Director of Operations managing 35 personnel at Site Skills Training in Saudi Arabia since 2017. Successfully implemented innovative safety protocols that reduced workplace incidents by 45% across multiple mining operations. Recognized with the Regional Safety Leadership Award for his transformative management approach.

Technical Mastery

Over 30 years experience with unrestricted electrical license and explosion protection certification. Specialized in high-voltage systems for hazardous mining environments and pioneered maintenance protocols now adopted industry-wide. Holds advanced certifications in electrical engineering and hazardous area equipment management.

Training Expertise

Designs comprehensive training modules and mentors instructors to develop mining safety skills. Has personally trained over 3,000 mining professionals across 12 countries, with a 97% satisfaction rating from course participants. Developed the widely acclaimed "Safety Integration Framework" used by major mining corporations globally.

Industry Experience

Managed EEHA teams at major resource sites including Varanus Island and BHP Billiton facilities. Led emergency response teams during critical incidents, providing real-world case studies for his training programs. Has worked across open-pit, underground, and processing operations in diverse geological environments.

Academic Credentials

Holds a Master's degree in Occupational Health and Safety with specialization in Mining Operations from Curtin University. Regular contributor to industry publications including "Modern Mining Safety" and "Electrical Hazard Management Review." Serves on the International Mining Safety Standards Committee.

Global Perspective

Has implemented safety training programs across four continents, adapting protocols for diverse regulatory environments and cultural contexts. Pioneered cross-cultural safety communication frameworks now adopted as best practice in multinational mining operations.

Russell brings exceptional leadership in mining safety education, specializing in electrical and instrumentation systems. His extensive field experience across Australia's remote mining operations provides real-world context for practical training approaches. Students consistently praise his ability to translate complex technical concepts into actionable safety practices. His teaching methodology combines theoretical foundations with hands-on demonstrations, creating an immersive learning environment that prepares participants for the realities of mining operations.

As a dedicated educator with a passion for preventing workplace incidents, Russell continually updates his curriculum to reflect emerging technologies and evolving industry standards. His commitment to excellence has made him one of the most sought-after instructors in the field, with many former students now leading safety departments at prominent mining companies worldwide.

Meet Your Expert Instructor:

Paulo Gomes

Paulo has 28+ years electrical experience in a number of mining, industrial and construction settings and more recently excellent experience as a vocational trainer.

He applies skills developed working for multinational companies in mining, residential construction and manufacturing to his training ensuring his graduates are work ready.
Recently he has held several training/teaching positions at Saudi Arabian Vocational Colleges and as an English Teacher for renowned Berlitz English.
Paulo has worked in Middle East for over 10 years.

Employment History

Technical Trainer, Site Skills Training Co., Eastern Province, KSA JANUARY 2018 4 PRESENT English

Teacher, Berlitz English, Bahrain AUGUST 2017 4 SEPTEMBER 2017 Technical Trainer, TUV Rheinland

AUGUST 2016 4 AUGUST 2017 Technical Trainer, SAUDI PETROLEUM SERVICES POLYTECHNIC (SPSP),

KSA OCTOBER 2014 4 MAY 2016 Maintenance Electrician, PG Constructions, South Africa 2014 4 2015

Maintenance Electrician, Lonmin Platinum Mine, South Africa 2011 4 2013 Technical Trainer, Coca Cola,

South Africa 2009 4 2011 Electrician/ Construction, PG Constructions, South
Africa 1999 4 2009

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