



London TDM

# Engineering and Technical Skills Training Courses

**Course Venue:** Malaysia - Kuala Lumpur

**Course Date:** From 19 April 2026 To 23 April 2026

**Course Place:** Royale Chulan Hotel

**Course Fees:** 6,000 USD

## Introduction

This five-day course on "Workshop Practices for Technicians" is designed to equip participants with the foundational skills and knowledge required to operate effectively in a technical workshop environment. Participants will learn about safety protocols, tool handling, maintenance procedures, and quality control methods, which are essential for ensuring efficient and safe workshop operations.

## Objectives

- Understand essential workshop safety practices and protocols.
- Develop skills in the operation and maintenance of workshop tools and equipment.
- Learn about the various materials used in a workshop setting.
- Enhance problem-solving techniques for technical challenges.
- Build competence in quality control and assurance processes.

## Course Outlines

### Day 1: Introduction to Workshop Safety

- Workshop safety rules and regulations
- Personal protective equipment (PPE) and its significance
- Emergency procedures and first aid in the workshop
- Fire safety and handling hazardous materials
- Risk assessment and management strategies

### Day 2: Tools and Equipment Handling

- Classification of tools and equipment used in workshops
- Correct usage of hand tools and power tools
- Tool storage and maintenance practices
- Understanding equipment manuals and safety features
- Troubleshooting common tool and equipment problems

### Day 3: Materials in the Workshop

- Types of materials commonly handled in workshops
- Properties and selection of workshop materials
- Material storage guidelines and inventory management
- Handling and processing different materials safely
- Recycling and disposal of waste materials

### Day 4: Technical Problem Solving

- Identifying and diagnosing technical problems
- Using analytical tools and techniques for problem-solving
- Developing creative solutions to technical challenges
- Case studies and practical problem-solving sessions
- Collaboration and communication in technical teams

## **Day 5: Quality Control and Assurance**

- Principles of quality control in the workshop
- Inspection and testing of finished products
- Documenting and reporting quality issues
- Continuous improvement and process optimization
- Implementing ISO standards and certifications