



Production & Quality Control Programme

Duration: 5 Days

Location:

- **Live Online – Microsoft Teams**
- **In-Person**
 - **East London**
 - **Durban**
 - **Cape Town**
 - **Johannesburg**

Training Fee: R4,500 per delegate

Training Dates: See Training Calendar

Session Times:

- Monday – Friday 09:00 – 15:00
- Monday – Friday 17:00 – 21:00
- Saturdays 09:00 – 15:00

Included in the Training Fee:

- Learner Manual (PDF or Printed Copy)
- Training Presentation Slides
- Practical Templates & Examples
- Practical Exercises, Case Studies & Workplace Project
- QIRCS Competency Certificate

Accreditation

This course is a non-accredited training programme developed to support practical workplace learning and knowledge development. The training focuses on the application of Production and Quality Control principles within the workplace and is intended to enhance employee competence, awareness, and performance.

Delegates who successfully complete the training and meet the assessment requirements will be issued with a QIRCS Competency Certificate.

Certification Requirements:

- Full attendance for all 5 training days
- Participation in practical exercises and activities
- Minimum pass mark of 70% in the final assessment

Booking & Enquiries

Email: info@qircs.co.za

Contact Numbers: +27 87 265 7534 | +27 31 941 4225 | +27 81 454 3481 |

Website: www.qircs.co.za



Payment Terms: Full payment is required prior to the commencement of training. Flexible payment arrangements are available, allowing delegates to pay in monthly instalments, provided the full course fee is settled before the training start date.

Training Overview

This course is a non-accredited training programme developed to support practical workplace learning and knowledge development. The training focuses on the application of Production and Quality Control principles within the workplace and is intended to enhance employee competence, awareness, and performance.

Day 1 – Introduction to Production & Quality Fundamentals

Delegates will be introduced to the fundamentals of production and quality management, including production systems, customer requirements, defects, non-conformances, rejects, rework, containment, and quality alerts. The session focuses on understanding how production performance directly impacts product quality and customer satisfaction.

Key Topics:

- Production Processes
- Quality Fundamentals
- Cost of Poor Quality (COPQ)
- Defects & Non-Conformances
- Root Cause Awareness
- Quality Terminology

Day 2 – Production Processes & Process Control

This module focuses on understanding process flow, process risks, and process control methods used within manufacturing environments. Delegates will also learn Lean Manufacturing principles and waste reduction techniques.

Key Topics:

- SIPOC Process Mapping
- Standard Operating Procedures (SOPs)
- Work Instructions
- Process Variation
- Lean Manufacturing
- TIMWOOD – The 7 Wastes

Day 3 – Quality Control Tools & Techniques

Booking & Enquiries

Email: info@qircs.co.za

Contact Numbers: +27 87 265 7534 | +27 31 941 4225 | +27 81 454 3481 |

Website: www.qircs.co.za



Delegates will learn how to apply practical quality control tools used to monitor and improve process performance and product quality.

Key Topics:

- The 7 Basic Quality Tools
- Check Sheets
- Pareto Charts
- Fishbone Diagrams
- Histograms & Flowcharts
- Types of Inspection (Incoming, In-Process, Final & Pre-Shipment Inspection)

Day 4 – Root Cause Analysis & Problem Solving

This session equips delegates with structured problem-solving techniques used to identify root causes and implement corrective actions to reduce recurring defects and production issues.

Key Topics:

- 5 Whys Analysis
- Fishbone Analysis
- Corrective & Preventive Actions (CAPA)
- Problem Solving Techniques
- Reject Reduction Strategies

Day 5 – Quality Systems, Safety & Final Assessment

The final module introduces quality systems, documentation, reporting requirements, and basic production safety principles.

Key Topics:

- Introduction to ISO 9001 Principles
- Inspection Reporting
- Non-Conformance Reports (NCRs)
- Quality Documentation
- Production Safety Awareness
- Final Practical & Written Assessment

Training Approach

QIRCS focuses on practical, industry-relevant learning using real workplace examples from manufacturing, production, quality, and engineering environments. The programme is

Booking & Enquiries

Email: info@qircs.co.za

Contact Numbers: +27 87 265 7534 | +27 31 941 4225 | +27 81 454 3481 |

Website: www.qircs.co.za



designed to provide delegates with practical knowledge and tools that can be directly applied within their workplaces to improve operational and quality performance.

Booking & Enquiries

Email: info@qircs.co.za

Contact Numbers: +27 87 265 7534 | +27 31 941 4225 | +27 81 454 3481 |

Website: www.qircs.co.za