CERTIFIED QUALITY ENGINEER





www.sqi.org.sg

1 Sophia Road #05-06/07 Peace Centre S(228149)

Course Contents

Quality Practices and Applications

- Quality Systems
- Product, Process and Material Control
- Quality Audit
- Quality Improvement Tools: Cost of Quality, Continuous
- Improvement Tools Quality Planning & Management
- Six Sigma Approach, Human Resource Management
- Supplier Management

Statistical Principles and Applications - Six Sigma

- Statistical Quality Control
- Statistical Inference
- Correlation and Regression Analysis
- Statistical Process Control
- Design of Experiments

Measurement Systems

- Metrology
- Repeatability & Reproducibility Studies, Destructive & Non-destructive Testing Concept

Practical Reliability & Product Safety Applications

- Basic Reliability Concepts
- Product Design, Development and Production
- Maintainability
- Product Safety

Key Benefits

Participant will have a fundamental understanding of:-

- Quality principles, quality systems, standards, organisational and team dynamics, customer expectations and satisfaction,
- Basic understanding of the audit process including types of audits, planning, preparation, execution, reporting results and follow-up supplier relations and performance,
- Leadership, training, interpersonal relationships, improvement systems and professional ethics.
- Develop and implement quality programs, including tracking, analysing, reporting and problem solving.
- Knowledge of reliability, maintainability, and risk management, including key terms and definitions, modeling, systems design, assessment tools and reporting.
- Thorough understanding of problem-solving and quality improvement tools and techniques.
- Statistical principles to acquire and analyse data using appropriate standard quantitative methods across a spectrum of business environments to facilitate process analysis and improvements.



Please refer to this URL https://www.sqi.org.sg/courses/ or QR Code for soft copy and updated training schedule

Membership Application

Register membership online at **www.sqi.org.sg/membership-join/** or contact us to get the membership application form.

Membership Categories:

- ~ Organisation membership
- ~ Individual membership

Singapore Quality Institute (SQI) operates as a non-profit professional institute that promotes and advances excellence in the field of quality in Singapore; and actively champions quality initiatives in the region and around the world through networking and collaborating with other international quality organisations.

SQI is a World Partner of the American Society for Quality (ASQ); and a Board Member of both the Asian Network for Quality (ANQ) and the World Alliance for Chinese Quality (WACQ).





APPROVED TRAINING PARTNER





or QR Code for soft copy and updated training schedule