



Consulting and Training | Reach New Heights

Course Name

Statistical Quality Control

Sector Name

Quality Management & Operational Excellence

Document Type

Generated by Boostlab

[Click Here To Visit Course](#)

ABU DHABI: +971 2 449 6000

ABU DHABI: +971 50 412 3294

DUBAI: +971 4 888 6787

KSA: +966 56 416 0617

EGYPT: +20 127 111 1770



Statistical Quality Control

Course Introduction

The Statistical Quality Control course is designed to provide participants with a solid foundation in statistical techniques and methods used for quality control in various industries.

This course focuses on equipping participants with the knowledge and skills necessary to effectively analyze and interpret data to monitor and improve process quality. Participants will learn key concepts of statistical quality control, explore different statistical tools and methods, and gain practical insights into their application for quality improvement.

ABU DHABI: +971 2 449 6000
ABU DHABI: +971 50 412 3294
DUBAI: +971 4 888 6787
KSA: +966 56 416 0617
EGYPT: +20 127 111 1770

[Click Here To Visit Course](#)

Statistical Quality Control

Target Audience

- ✓ Quality & Manufacturing Professionals – Quality managers, production engineers, and process improvement specialists.
- ✓ Engineers & Technicians – Industrial, mechanical, and manufacturing engineers, as well as lab technicians.
- ✓ Data & Process Analysts – Statisticians, data analysts, and process improvement professionals.
- ✓ Regulatory & Compliance Officers – Ensuring adherence to industry standards.
- ✓ Students & Academics – Those studying quality management, industrial engineering, or statistics.

ABU DHABI: +971 2 449 6000

ABU DHABI: +971 50 412 3294

DUBAI: +971 4 888 6787

KSA: +966 56 416 0617

EGYPT: +20 127 111 1770

[Click Here To Visit Course](#)

Statistical Quality Control

Learning Objectives

- ✓ Understand the principles and importance of statistical quality control in achieving process excellence.
- ✓ Apply statistical techniques for data collection, analysis, and interpretation in quality control.
- ✓ Use statistical process control (SPC) methods to monitor and control process variability.
- ✓ Apply control charts and other statistical tools to identify and address quality issues.
- ✓ Implement statistical quality control methods to improve process performance and customer satisfaction.
- ✓ Identify and apply advanced quality control tools.

ABU DHABI: +971 2 449 6000
ABU DHABI: +971 50 412 3294
DUBAI: +971 4 888 6787
KSA: +966 56 416 0617
EGYPT: +20 127 111 1770

[Click Here To Visit Course](#)

Statistical Quality Control

Course Outline

✓ 01 DAY ONE

Introduction to Statistical Quality Control

- ✓ Overview of statistical quality control and its significance
- ✓ Key principles and concepts of quality control
- ✓ Introduction to data collection and sampling techniques
- ✓ Statistical distributions and probability concepts for quality control

ABU DHABI: +971 2 449 6000

ABU DHABI: +971 50 412 3294

DUBAI: +971 4 888 6787

KSA: +966 56 416 0617

EGYPT: +20 127 111 1770

[Click Here To vist Course](#)

Statistical Quality Control

Course Outline

✓ 02 DAY TWO

Statistical Process Control (SPC) and Control Charts

- ✓ Understanding process variability and its impact on quality
- ✓ Introduction to statistical process control (SPC) and control charting
- ✓ Construction and interpretation of control charts (e.g., X-bar and R charts)
- ✓ Applying control charts for process monitoring and improvement

ABU DHABI: +971 2 449 6000

ABU DHABI: +971 50 412 3294

DUBAI: +971 4 888 6787

KSA: +966 56 416 0617

EGYPT: +20 127 111 1770

[Click Here To vist Course](#)

Statistical Quality Control

Course Outline

✓ 03 DAY THREE

Statistical Tools for Quality Control

- ✓ Hypothesis testing for quality control decisions
- ✓ Capability analysis and process performance metrics
- ✓ Design of experiments (DOE) for process optimization
- ✓ Applying statistical tools for root cause analysis and problem-solving

ABU DHABI: +971 2 449 6000

ABU DHABI: +971 50 412 3294

DUBAI: +971 4 888 6787

KSA: +966 56 416 0617

EGYPT: +20 127 111 1770

[Click Here To vist Course](#)

Statistical Quality Control

Course Outline

✓ 04 DAY FOUR

Advanced Tools for Quality Control

- ✓ Advanced control charts such as the p-chart, np-chart, and c-chart.
- ✓ Scenarios where these specialized control charts are more suitable than traditional X-bar and R charts.
- ✓ Examples of real-world applications for advanced control charts in different industries.
- ✓ The six sigma methodology and its focus on process improvement and defect reduction.
- ✓ The DMAIC (define, measure, analyze, improve, control) framework for problem-solving and continuous improvement.
- ✓ The roles of the different six-sigma belts and how they contribute to quality control initiatives.

ABU DHABI: +971 2 449 6000

ABU DHABI: +971 50 412 3294

DUBAI: +971 4 888 6787

KSA: +966 56 416 0617

EGYPT: +20 127 111 1770

[Click Here To visit Course](#)

Statistical Quality Control

Confirmed Sessions

FROM	TO	DURATION	FEES	LOCATION
Aug. 24, 2026	Aug. 27, 2026	4 days	4250.00 \$	UAE , Dubai
Feb. 1, 2027	Feb. 4, 2027	4 days	4250.00 \$	UAE , Abu Dhabi
April 27, 2026	April 30, 2026	4 days	4950.00 \$	France , Paris
Jan. 4, 2027	Jan. 7, 2027	4 days	4250.00 \$	UAE , Dubai

ABU DHABI: +971 2 449 6000
ABU DHABI: +971 50 412 3294
DUBAI: +971 4 888 6787
KSA: +966 56 416 0617
EGYPT: +20 127 111 1770

[Click Here To vist Course](#)

info@boostuae.com info@boostorg.com

Generated by BoostLab •

