Statistical Process Control, Advanced SPC

Online Courses in SPC

MiC Quality offers two courses in statistical process control: the basic **Statistical Process Control** course and the **Advanced SPC** course.

The basic SPC course covers variation, **process capability** studies and the most important types of variable and attribute **control charts**.

The Advanced SPC course introduces **ten additional types of control charts** to deal effectively with the many types of processes found in practice, including short run and high volume.

Both courses are **practical**. The **interactive** simulations of typical processes and the case studies build confidence and practical understanding of using statistical process control. We provide **unlimited email support** to answer your questions and discuss how you can apply statistical process control effectively.

Main Topics for the SPC Course

:: understanding variation
:: process capability & performance Cp, Cpk, Pp, Ppk
:::x-bar and R charts
:: attribute charts - p, np, c and u

Main Topics for the Advanced SPC Course

:: control charts for given values
:: x-bar and s charts
:: median charts
:: demerits per unit (U) charts
:: individual and moving range (XmR/ImR) charts
:: short run SPC
:: pre-control
:: moving average (MA) charts
:: EWMA charts
:: CuSum charts
:: rational subgroups

Features

:: **interactive** with simulations of real processes to give you hands-on experience

:: **practical** with many exercises and case studies

:: **comprehensive** each course has about 30 hours of in-depth learning over a period of up to 6 weeks

:: **flexible** with self-paced study and access from anywhere at any time

:: **email support** to clarify any issues, answer any questions, and review case studies

:: **effective** in developing skills that can be applied immediately

Our Students Say

Dragos Gabriel Marin
Purchasing Analyst
Pratt & Whitney, Canada
"When I started the course my experience in statistics was a very traumatizing course at the university plus a number of unsuccessful attempts of studying SPC from books. Now, at the end of the course, I can say that yes, I understand the concepts, and I will apply them."

Who Should Enroll

:: Engineers and Managers
:: Quality Coordinators and Technicians
:: Healthcare Professionals
:: Quality Chemists and Scientists
:: ASQ SSBB and CQE Aspirants
:: Six Sigma Green Belts and Black Belts
:: Six Sigma Master Black Belts

Certification

:: a **certificate of completion** if you work through over 80% of the course material

:: **3 Recertification Units** (RUs) for your ASQ certification renewal (each course)

ASQ Certification

Our **SPC** and **Advanced SPC** courses cover the topics listed in the Body of Knowledge for the **Certified Quality Engineer (CQE)** and the **Six Sigma Black Belt (SSBB):**
:: Statistical Process Control
:: Analyzing Process Capability
:: Advanced Statistical Process Control

Course Requirements

:: completed MiC Quality Primer in Statistics, or have equivalent knowledge

:: basic SPC course is a **recommended prerequisite** for the Advanced SPC course

:: PC or Mac running a recent browser

:: Microsoft Excel 97 or higher

Glen Netherwood
MiC Quality

www.micquality.com

V I S I T :: www.micquality.com ::

TRY FREE MODULE :: FIND OUT MORE :: E N R O L L

Toll-Free in the US: 1-888-240-5504
Fax in the US: 320-514-1432

Phone in Australia: +61 3 9718 1112
Fax in Australia: +61 3 9718 1113