

Available Training Programmes under HKTIC

7 **Statistics for Analytical Laboratories**

This course is suitable for Professional and Supervisory staff

This one-day course introduces and explains the basic principles and applications of statistics in laboratory. Participants do not need to possess prior knowledge of statistics but will be equipped to understand advanced statistical analyses such as the estimation of uncertainty measurement and method validation upon the completion of this course. The covered topics include: Introduction to Probability and Counting, Distributions, Descriptive Statistics, Estimation, Mean and Variance, Comparing Two Means and Two Variances, Simple Linear Regression and Correlation and Analysis of Variance.

This course is designed and delivered by an experienced laboratory management professional who has advanced training in business administration, information technology and statistics. He has nearly ten years of experience in laboratory operations, in which at least five years are with a HOKLAS accredited laboratory.