“Find the most effective solution!”

Project schedules, company culture, training demand, personal considerations and costs all impact the training decision. Sigmetrix offers a variety of training solutions in order to let our customers choose the most effective training alternative.

CETOL 6σ Training Options

- Instructor-Led Training
- On-Site Training
- Self-Paced Training
- Customized Project-Based Training

Instructor-Led Training

CETOL 6σ Basic Training is a 3-day class covering the CETOL 6σ interface, variation inputs, best practices for assembly analysis modeling, functional dimensioning including GD&T, validation of analysis, interpreting results and reporting. Students are required to bring an assembly model to class. The model is used to construct a real, live analysis while learning CETOL 6σ modeling techniques that are inherent to a given product. Upon completion of the class, students will return to the workplace with analysis available for review. Class size for the instructor-led programs is a maximum of eight students. Sigmetrix training facilities are located in Indianapolis, Indiana or Dallas, TX.

On-Site Training

The content of the On-Site Training is the same as the Instructor-Led Training, but the class is coordinated and delivered at a customer-specified location. Sigmetrix provides an instructor to the designated customer training facility. On-Site Training is a 4-day course. An additional day is added to incorporate additional customer assembly analysis modeling time. Each student should complete a current product analysis requirement using CETOL 6σ. The Customer provides training room, including workstations licensed with CAD and CETOL 6σ. Sigmetrix provides a CETOL 6σ training license to serve up to (8) workstations. Class size is limited to (8) students. A projector should also be available.
Self-Paced Training

Can’t find the time to attend a training program? Need update training for the latest release? Want a refresher before solving an existing product problem? CETOL 6σ Self-Paced Training may be the answer.

CETOL 6σ Self-Paced Training is a program designed to teach the CETOL 6σ Basic Training on an individual basis. Sigmetrix ships the CETOL 6σ Self-Paced Basic Training manual directly to the student. Students download the necessary CAD files from the Sigmetrix Support Center and then work through the training materials at their own pace. The materials take approximately 20-24 hours to complete.

At any time during the training process students have access to Sigmetrix training support to answer questions. Questions are answered real-time using web conferencing to visualize and discuss problems remotely.

Customized Project-Based Training

Sigmetrix provides customized training based on specific project analysis needs. For more information, contact your Sigmetrix Account Representative or email info@sigmetrix.com.

Course Topics

TOLERANCE ANALYSIS FUNDAMENTALS
- Tolerance design process
- Worst-case design vs. statistical analysis

GETTING STARTED WITH CETOL 6σ
- CETOL 6σ interface
- Interacting with CAD System
- CETOL 6σ preferences

ASSEMBLY MODELING
- Defining measurements
- Defining assembly constraints
- Representing multiple configurations
- Including assembly variation
- Dealing with assembly clearance
- Basic fit analysis

PART MODELING
- Dimensioning functional features
- Checking the dimensioning scheme
- Applying Geometric Tolerances

DEFINING DIMENSIONAL VARIATION
- Tolerances & Distributions
- Component variation rules
- Tolerance envelope control

VARIATION ANALYSIS
- Derivative-based analysis
- Reviewing and interpreting results
- Report generation

FILE MANAGEMENT & DATA REUSE
- Data management options
- Importing CETOL 6σ models

Sigmetrix Company Profile

Sigmetrix is a global leader in providing tolerance analysis and GD&T software solutions. Built on its CETOL 6σ Technologies™ foundation these precise, easy-to-use assembly design optimization and functional analysis software solutions are used by systems, mechanical and manufacturing engineers. CETOL 6σ has been shipping to customers since 1992 and is distributed worldwide. Sigmetrix’ unique understanding of Six Sigma methodologies, CAD integration, and true assembly variation behavioral modeling has given the company a demonstrated leadership position in helping spearhead Six Sigma programs in our customer base.