

## Course Outline

### 1. ProFicient™ Terminology & Basic Navigation

- › General vocabulary
- › Menu options
- › Adding subgroup data

### 2. Creating Data Collection Projects

- › Database structure creation
- › Data entry configuration
- › Special data entry options

### 3. Customizing Charts

- › Adding headers
- › Changing chart colors
- › Creating chart templates for chart standardization

### 4. Data Structure

- › Groups and items
- › Best Practice discussion on creating Data Structure

### 5. Configuring Toolbar Buttons

- › Data Entry
- › Data Selection
- › Project Navigation

### 6. Feature Type (for test characteristics)

- › Variable data (measurement data)
- › Attribute data (visual inspections)

### 7. Database Navigation

- › Editing database records
- › Tracking database edits
- › Securing your database

### 8. Limits

- › Specification limits
- › Control limits

### 9. Addressing Specification or Control Limit Violations

- › Assignable cause and corrective action codes
- › Process events report (to track all sorts of violations)
- › Pareto chart for events (to track most frequent violations)

### 10. Importing Data

- › Compatible file types
- › Exploring other import utilities
- › Different import method discussion

### 11. Configuring Calculations

- › Configuring the equation editor

### 12. Subgroup Descriptors (for tracking additional information)

- › Hard-coded Descriptors
- › User-defined Descriptors

### 13. Creating a Report Project (& discussion of the types of reports available in ProFicient)

- › Box & whisker
- › Pareto
- › SPC Monitor
- › Capability analysis (distribution curve)
- › Capability report (short term and long-term capability)

### 14. Finding Your Data

- › Using Data Selection to display data on charts
- › Data Selection options in charts

### 15. Gage Server Configuration (Semi-Automated Data Collection)

- › Connecting a gage to Gage Server
- › Configuring test options to allow input from Gage Server
- › Note: the Online ProFicient Fundamentals course does not include hands-on exercises using an electronic gauge

### 16. Data Collection Discussions

- › Measuring multiple test characteristics on a single part
- › Injection molding
- › Job shop (multiple parts, processes, and test characteristics managed in a single InfinityQS<sup>®</sup> project)
- › Self-directed project building
- › Building a checklist

## Special Notes

The Online ProFicient Fundamentals course covers these topics in a slightly different flow than the classroom course.

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Optional exercises and a checklist for getting started are included with course material.