

Description: The second course in SpatialAnalyzer that covers advanced functionality of NRK's SpatialAnalyzer so ware for performing operations that extend beyond basic measurement, analysis, or reporting scenarios. In addition to covering advanced functionality, a review of fundamental concepts is provided.

Duration: 3 Days

Prerequisites: Familiar with common, basic operation of SA. The typical student has at least six months of experience using SA nearly daily in a production environment.

Featured Topics

Review of Fundamentals

- Instrument Toolbar
- Ribbons Layout
- Basic Alignment
- Drift Check

Auto Measure

- Multi-pass
- Auto Correspond to
 - Proximity Triggers
 - Geometry Triggers

Relationships

- Auto Vectors
- Fit Constraints
- Normalize Weighting
- Tolerances

GD&T

- Import Annotations
- Create Annotations
- Preform GD&T inspections

USMN

- Instrument Network and reference establishment
- Uncertainty calculations

Trans-Track

- Use multiple instruments to provide live 6D positional update to allow for real time alignment of two objects.

Automation

- Intro to Measurement Plans
- SDK

Reporting

- Charts
- Connecting to Excel

