

Advanced SPC Course Objectives

Unit 1 | Advanced Control Charting

- Set up an x-bar and R control chart.
- Interpret the control chart to determine if a process is stable.
- Set up an attribute (p, np, c, or u) control chart.
- Understand how to use the most common tests of instability.
- Set up an Individuals and Moving Range control chart.
- Explore options to the conventional x-bar and R control chart.
- Select the most appropriate alternative format for a variable control chart.

Unit 2 | Advanced Process Capability

- Prepare for and conduct a process capability study.
- Use the results of a process capability study to improve the capability of the process.
- Learn what to do if the process capability cannot be improved enough to meet the customer's requirements.
- Know the differences between Ppk & Cpk.
- Know how to handle process capability study complications and challenges.
- Explain what Six Sigma Quality means.
- Be able to use Z-values.