



Black Belt Curriculum

(Includes and expands upon Green Belt knowledge)

Advanced Define & Measure

- Advanced Project Selection & Financial Benefit Validation
- Complex Measurement System Analysis
- Process Performance Metrics (DPU, DPMO, Sigma Level)

Advanced Analyze

- Hypothesis Testing (T-tests, ANOVA, Chi-Square)
- Multi-Vari Studies
- Advanced Regression Analysis
- Design of Experiments (DOE) Introduction

Advanced Improve & Control

- Full-Factorial DOE
- Mistake-Proofing (Poka-Yoke)
- Advanced Control Charts
- Change Management & Sustaining Improvements

Lean Enterprise & Leadership

- Value Stream Mapping (Current & Future State)
- Kaizen Event Leadership
- Team Dynamics & Facilitation
- Coaching Green Belts