



The Advantages of Simulation

Simulation modeling tools help Black Belts make informed decisions and improve their gains in these **Six Key Skill Areas**:

- Understand your processes as they relate to cycle times, costs, and customer satisfaction.
- Overcome the difficulty of creating experiments in a services or transactional environment.
- Quickly analyze processes for inefficiencies and financial impact for the organization.
- Ensure project optimization and risk management.
- Test hypothetical business scenarios before actually changing established processes.
- Document and communicate best practices that lead to financial gain and custom satisfaction.



COURSE COMPONENTS

- Changing a Process Map into a Simulation Model with iGrafx Software
- Simulation in Transactional and Service Settings
- Assigning Attributes to Process Components
- iGrafx Decision Modeling
- Process Cycle Time Modeling
- Simulation Input Generation
- Analysis and Prioritization of Finite Resources
- Resource Scheduling
- Process Splits and Joins
- Validating the Simulation Model
- RapidDOE with Simulation Data
- Complete DMAIC Simulation Exercise

The Program

Six Sigma Qualtec developed this 5-day program in order to **add simulation modeling tools to the skill sets of certified Transactional and Service Black Belts**. Every element of this learning experience is deployed in a progressive flow providing participants with optimal knowledge transfer. Upon completion of this program, Black Belts will be able to use simulation skills within their organizations to make decisions with better information. Graduates leave with the skills, tools and knowledge to drive improvements in the bottom-line and in customer satisfaction.