

Lean Six Sigma Black Belt Training and Certification

Services	Deliverables
• Lean Six Sigma Black Belt Training	▪ 11 day Class for 3-10 participants

The Company will provide the classroom and refreshments for participants and trainer.

11-Days Training: Lean Six Sigma Black Belt Training and Certification

The Lean Six Sigma Black Belt Training/Certification will present to the participants the DMAIC process through classroom instruction and demonstration/application of the tools. AKA's Lean Six Sigma Black Belt training is designed to utilize the initial Green Belt training (the first 6 Days) and perform a deeper dive into the methodologies (during the next 5 days) for a total time investment of 11 days.

Participants will be introduced to **Define** (the business opportunity), **Measure** (the process current state), **Analyze** (determine root cause), **Improve** (eliminate waste and variation), and **Control** (evidence of sustained results). During each phase, participants will study the tools appropriate to the specific phase. Participants that complete the training will have mastered the DMAIC process, data collection techniques, and the statistical methods (utilizing Minitab Statistical Software), and project management techniques used in Six Sigma project execution and completion.

The Advantage Kentucky Alliance trainer will deliver the following learning activities and tools.

- Lecture with overheads and handouts
- Tool demonstration
- Applicable datasets
- Workbooks for participants
- Discussion and interaction
- Support of project construction

Participants will be required to have possession of a laptop computer for use in training.

Benefits of the Lean Six Sigma Black Belt Training

Upon completion of the Six Sigma Black Belt Training, participants will:

- have the required skills for project completion;
- be responsible for implementing process improvement projects;
- understand the toll gates that dictate movement from each phase;
- incorporate Six Sigma methods into all aspects of the business;
- mentor Green Belts in the project completion process:



Certification

The AKA Lean Six Sigma Black Belt Program consists of an eleven-day curriculum.

Participants that complete all eleven days of training, pass the Black Belt Certificate Test, and submit evidence a completed Six Sigma Project within 120 days of the test date will receive the AKA Black Belt Certification.

