

## SIX SIGMA PROGRAM TRAINING Black Belt

The QRIntl Black Belt Training Program is a didactic and practical course for up to twenty people. A total of 160 hours of classroom training are presented over a period of three separate weeks.



Small Groups



160 hour



Exam  
per week

The practical training component of the course consists of developing a project to improve a process using Six Sigma Methodology. A **Six Sigma Black Belt Project** should be completed in four to six months.

### GOALS / COMPETENCIES UPON COMPLETION:

Understand the advanced concepts of Six Sigma methodology. Lean and practice statistical and quality tools. Apply the knowledge gained to develop Six Sigma Project.

Full compliance with all components will give the candidate an internationally recognized certification as a Six Sigma Black Belt in Healthcare from QRIntl.

### Topics

- Quality Management System (Advanced)
- Sigma Levels and their relationship to process variation
- Six Sigma teams: roles and responsibilities
- Project Selection
- Histogram: definition, development and interpretation
- Pareto Diagram: definition, development and interpretation
- Statistics and Non Parametric Statistics
- Predictions based on the normal distribution. Z value
- Process Map: definition and development
- Deployment matrix functions: definition, development and interpretation
- Matrix of Failure Mode and Effects Analysis: definition, development and interpretation
- Evaluation of the Measurement System. Gauge R&R. Kappa Methodology
- ANOVA
- Hypothesis Testing

IASSC™ Accreditation does not constitute its' approval or recognition of our own lean six sigma certification program. The only method to earn an IASSC certification is to successfully sit for and pass an official IASSC certification™ exam. We do provide access to IASSC Certification exams.