LEAN SIX SIGMA CERTIFICATION TRAINING CAMP

IASSC Black Belt

Certified Lean Six Sigma Black Belt (ICBB™)

thinqtanklearning.com

Process improvement · education services datasheet

OUR LEARNING EXCLUSIVE

- Custom exam prep software and materials
- Course-specific thinQtank® Learning publications to make the learning fun and engaging
- Extended hours of training, including scenario-based exercises
- **We do not teach the test.** We always deliver valuable, practical experience
- All reading material and study guides sent to you when you register
- Every course taught by certified instructors with real-world experience
- Retake any or all portions of the course for 24 months, in person or live online

TRAINING CAMP FORMAT

thinQtank® Learning delivers this course as a **ten-day instructor-led training camp** over two weeks: Define and Measure in week one, Analyze, Improve and Control in week two, with exam preparation on the final day. The balance of lecture and exercises is set to suit the group and the delivery method.

PREREQUISITES

- No formal prerequisites
- A Green Belt or equivalent experience is strongly recommended
- Comfort with statistics and spreadsheets is expected

TARGET AUDIENCE

- Green Belts ready to lead larger projects
- Continuous improvement managers and deployment leaders
- Quality, operations and process engineers
- Managers responsible for performance and cost improvement

EXAM

IASSC Certified Lean Six Sigma Black Belt (ICBB™)

Questions	150 multiple choice / true-false
Duration	240 minutes
Passing score	70%
Format	Closed book; formula reference provided on screen
Delivery	PeopleCert online proctored exam
Renewal	Every three years

COURSE OVERVIEW

thinQtank® Learning is offering a unique ten-day training camp comprised of ten days of instructor-led learning that gives students the knowledge and skills needed to lead complex, cross-functional Lean Six Sigma programs — the full DMAIC method at an advanced level, including designed experiments, advanced regression and statistical process control.

Black Belts lead the projects that matter most to the business and coach the Green Belts who support them. The camp covers the complete IASSC Black Belt Body of Knowledge over two weeks with hands-on statistical work every day, and it closes with a full project walk-through from charter to control.

This course prepares students to take the IASSC Certified Lean Six Sigma Black Belt (ICBB™) exam.

WHAT YOU WILL BE ABLE TO DO

- Pass the IASSC ICBB™ exam on the first attempt
- Lead complex, cross-functional improvement projects
- Design and analyze experiments to find what really drives a result
- Coach Green Belts and project teams
- Report project results the leadership team will act on

COURSE OBJECTIVES

Primary course objectives:

- Select, scope and charter high-impact projects
- Lead teams and stakeholders through change
- Run advanced measurement system analysis and capability studies
- Analyze variation with hypothesis tests for normal and non-normal data
- Build and validate multiple regression models
- Design and analyze full and fractional factorial experiments
- Apply statistical process control, including advanced control charts
- Build control plans and hand projects back to the process owner
- Coach and review Green Belt projects

EXCLUSIVE LEARNING PACKAGE

- ICBB™ reading plan and review guide
- ICBB™ practice exams
- Statistical exercise workbook, data sets and DOE templates
- Course video recordings for review
- Six months mentoring access to our instructors after completing the course

DELIVERY METHODS

- Instructor-led training
- Immersive live-online training
- On-site and custom delivery

LEAN SIX SIGMA CERTIFICATION TRAINING CAMP

IASSC Black Belt

Certified Lean Six Sigma Black Belt (ICBB™)

thinQtank® LEARNING

ICBB™ EXAM AT A GLANCE

150	240	70%	3 yrs
Questions	Minutes	Passing score	Certification validity

COURSE MODULES

01 Define

- Project selection, scoping and charters
- Voice of the customer and cost of poor quality
- Leading teams and stakeholders

02 Measure

- Process mapping, FMEA and value stream maps
- Advanced measurement system analysis
- Process capability and performance

03 Analyze

- Variation, sampling and confidence
- Hypothesis testing for normal and non-normal data
- Multiple regression and model validation

04 Improve and Control

- Full and fractional factorial experiments
- Statistical process control and advanced charts
- Control plans and project hand-off

A Appendices

- Appendix A: Booking and taking the IASSC exam
- Appendix B: Formula and table reference
- Appendix C: Full project walk-through, charter to control

PUBLIC CLASS SCHEDULE

Nov 30 – Dec 11, 2026	Sterling, VA	**Apr 05 – Apr 16, 2027**	Burbank, CA	**Aug 02 – Aug 13, 2027**	Atlanta, GA
Jan 04 – Jan 15, 2027	Atlanta, GA	**Apr 19 – Apr 30, 2027**	Sterling, VA	**Aug 23 – Sep 03, 2027**	Burbank, CA
Jan 25 – Feb 05, 2027	Burbank, CA	**May 10 – May 21, 2027**	Atlanta, GA	**Sep 13 – Sep 24, 2027**	Sterling, VA
Feb 22 – Mar 05, 2027	Sterling, VA	**Jun 21 – Jul 02, 2027**	Burbank, CA	**Oct 18 – Oct 29, 2027**	Atlanta, GA
Mar 15 – Mar 26, 2027	Atlanta, GA	**Jul 12 – Jul 23, 2027**	Sterling, VA	**Nov 29 – Dec 10, 2027**	Burbank, CA

Every public class is also available live online. Private on-site classes can be scheduled for any week; call 855-TO-THINQ.

thinQtank® LEARNING

TERMS

© 2026 thinQtank® Global, Inc. All rights reserved. The product or learning materials are protected by U.S. and intellectual property laws. thinQtank Global, thinQtank Learning and the QMan logo are registered trademarks of thinQtank Global, Inc. in the United States and/or other jurisdictions. All other marks and names mentioned herein may be trademarks of their respective companies. IASSC, ICYB, ICGB and ICBB are trademarks of the International Association for Six Sigma Certification. PeopleCert is the exam provider for IASSC certifications.

thinQtank Global, Inc. warrants that it will perform these training services in a reasonable manner using generally accepted industry standards and practices. THE EXPRESS WARRANTY SET FORTH IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS, IMPLIED, STATUTORY OR OTHERWISE INCLUDING IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE WITH RESPECT TO THE SERVICES AND DELIVERABLES PROVIDED BY THINQTANK GLOBAL, INC., OR AS TO THE RESULTS WHICH MAY BE OBTAINED THEREFROM. THINQTANK GLOBAL, INC. WILL NOT BE LIABLE FOR ANY THIRD-PARTY SERVICES OR PRODUCTS IDENTIFIED OR REFERRED TO CUSTOMER. All materials provided in this training are copyrighted by thinQtank Global, Inc. ("Learning Materials"). thinQtank Global, Inc. grants the customer of this learning a license to use Learning Materials strictly for the purpose of facilitating such company's internal understanding, utilization and operation of the technology covered herein. Except as set forth expressly in the sentence above, there is no transfer of any intellectual property rights or any other license granted under the terms of this training.