

professional
development

International Association for Six Sigma Certification (IASSC™) Lean Six Sigma Green Belt

In-House Training (6 Days)

Exam Preparation



in-company for
teams



Contents

IASSC Green Belt at a glance	3
About this programme	4
Delivery style	5
What are the benefits?	8
About this certification	9
Programme content	11
Attend a public green belt course	15
3 ways to get started	16
About us	17

IASSC Green Belt At A Glance



International Lean Six Sigma Green Belt Certification



6-day in-company programme, delivered exclusively to your team.



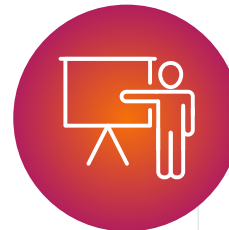
Programme content can be tailored to address any goals or challenges facing your business.



Exam preparation programme



Sample Exam Questions & Answers



Delivered by experienced, certified Lean Six Sigma professionals.

About This Programme

Advanced Knowledge & Application of Lean Six Sigma Tools

This 6-day course combines two proven methodologies, lean and six sigma. When used effectively, lean six sigma can increase productivity, reduce waste, and drive continuous top and bottom line improvements in any organisation.

You will gain the knowledge and skills you need to be able to effectively manage Green Belt projects, to assist in Black Belt projects, and to sit the IASSC Lean Six Sigma Green Belt Exam.



Who Attends?

- Those seeking to bring significant improvements to their workplace or enhance their CV with process improvement skills.
- Anyone wishing to gain an internationally recognised qualification in Lean Six Sigma.
- Those who want to prepare for and sit the IASSC Lean Six Sigma Green Belt Exam.

Delivery Style

We run this IASSC Lean Six Sigma Green Belt Course for in-company (often called “in-house” or “on-site”) training.

This means that we deliver training exclusively to your team on a date you choose.

There are many benefits to choosing an in-company style of delivery.

How In-Company Training Works

When you get in touch with us about in-company training - either by phone or by requesting a quotation using the button on this page - our expert training consultants will work with you to find the best training solution for your needs.

We will create a programme that addresses the issues and goals at the top of your list, and choose a training delivery method and dates that suits you best.



Why In-Company?

- ✔ **Tailored for Your Team** - While still adhering to the course syllabus, we can take your business and any challenges you are facing into account when delivering the course. We will make the training delivery relevant to your team.
- ✔ **You Choose the Delivery Style** - We can deliver this training as an in-person, classroom style course (where we come to your location), or by live, virtual classroom training (learn more on the next page).
- ✔ **Flexibility** - In-company training gives you the ability to schedule training at a time that works best for your schedule. It removes the inconvenience of having to take someone out of their role for training at a busy time.

[Get a Quote](#)

Delivery Style: Live Virtual Training

Virtual training enables participants to connect to live, trainer-led sessions from wherever they are located.

It's easy to connect and they will gain the benefits of a classroom style of training while enjoying the convenience of learning at home.

How Virtual Training Works

In advance of training, we will send each participant the information and link they need to join the training.

To connect with our live training, participants will need a steady internet connection and a device with a web-camera, speakers, and microphone. Most home internet connections work perfectly for live virtual training. These days, almost all smartphones, computers, and tablets have built-in web cameras, speakers, and microphones.

Our training consultants will make sure everyone has guidelines on how to get connected. It's an easy, user-friendly process.



Why Virtual?

- ✓ **Learn from Home** - This is an ideal solution for teams that work remotely. They can connect with real-time training sessions from wherever They are currently based.
- ✓ **Delivered by Experts** - By choosing our live virtual training, your team will learn from subject matter experts. They will also benefit from the ability to ask questions and gain advice from our trainers.
- ✓ **Group Training** - This style of training enables participants to interact virtually with their team. Via our online platform, they will be able to take part in group discussions and exercises without leaving home.
- ✓ **Focused Learning Environment** - One of the key advantages of an in-person classroom style training is the focused learning environment. Live, trainer-led virtual training also provides this high-impact format.

[Ask a Question](#)

[Get a Quote](#)

What Are The Benefits?

✓ Introduce Savings and Sustainable Improvements

You will learn how Lean Six Sigma methods can transform how your organisation works, eliminating waste, improving processes, and thereby delivering savings.

✓ Confidence Implementing the DMAIC Cycle

The DMAIC Cycle (Define, Measure, Analyse, Implement and Control) is at the core of Lean Six Sigma processes. During this exam preparation course, you will learn about each aspect of the DMAIC Cycle, and how it can be implemented correctly.

✓ Best Practice Lean Six Sigma Methods

This course syllabus is in line with the Universally Accepted Lean Six Sigma Body of Knowledge (ILSSBOK), which is the only industry defined standard in the history of Six Sigma.

✓ International Lean Six Sigma Certification

This is an exam preparation course, preparing you to sit and pass the IASSC Lean Six Sigma Green Belt exam to gain a globally respected IASSC Lean Six Sigma Green Belt certification.

✓ Enhanced Career Prospects

Certification is essential for those wishing to specialise in the area of Lean Six Sigma. This certification is universally recognised and respected by employers in all sectors.



Learn More

Ask A Question

What is a Green Belt?

About This Certification

Upon successfully completing this course, its accompanying project work, and the IASSC Green Belt Exam, your team members will achieve 2 certifications:

- ✔ Professional Development Lean Six Sigma Green Belt
- ✔ IASSC Lean Six Sigma Green Belt (exam based)

“Who are IASSC?”

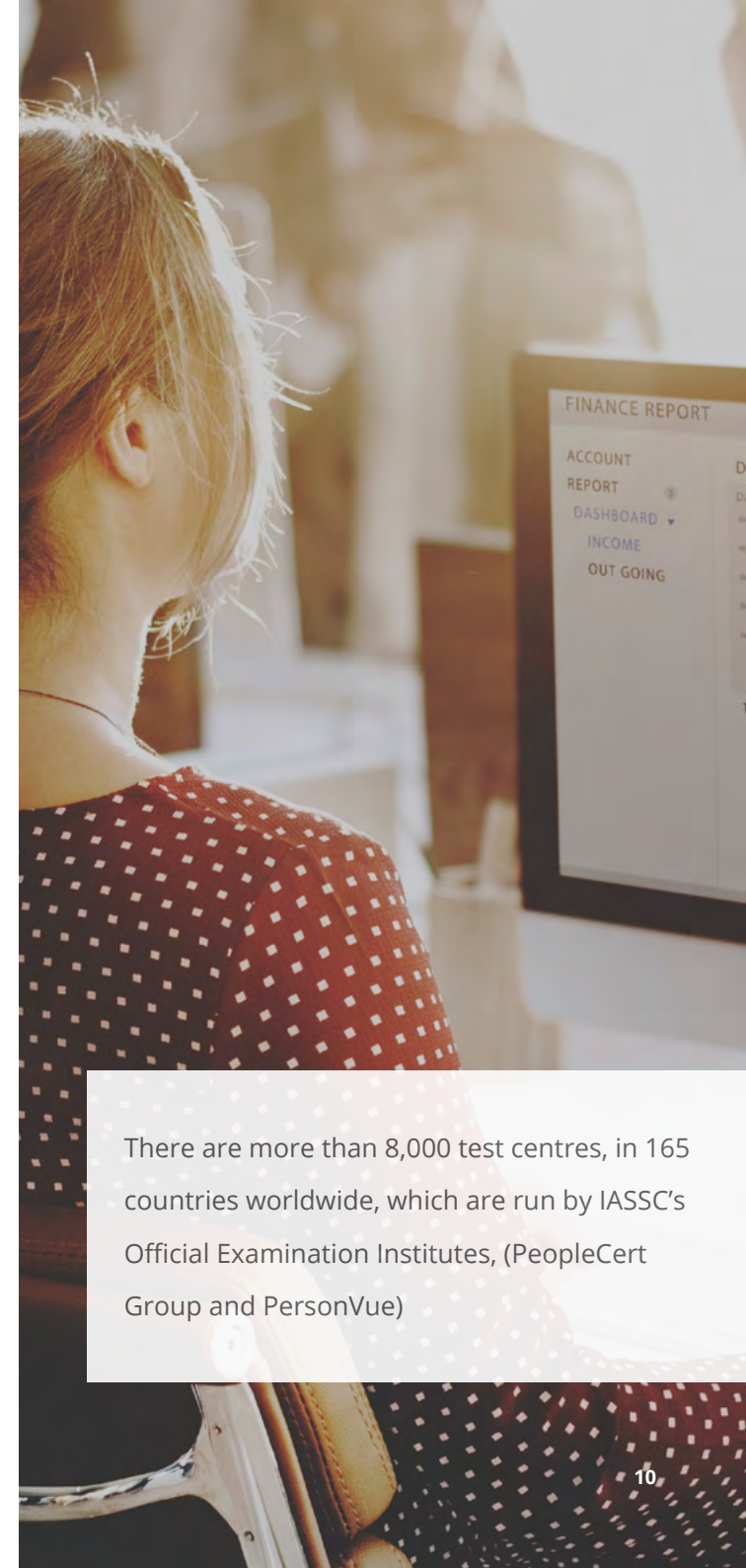
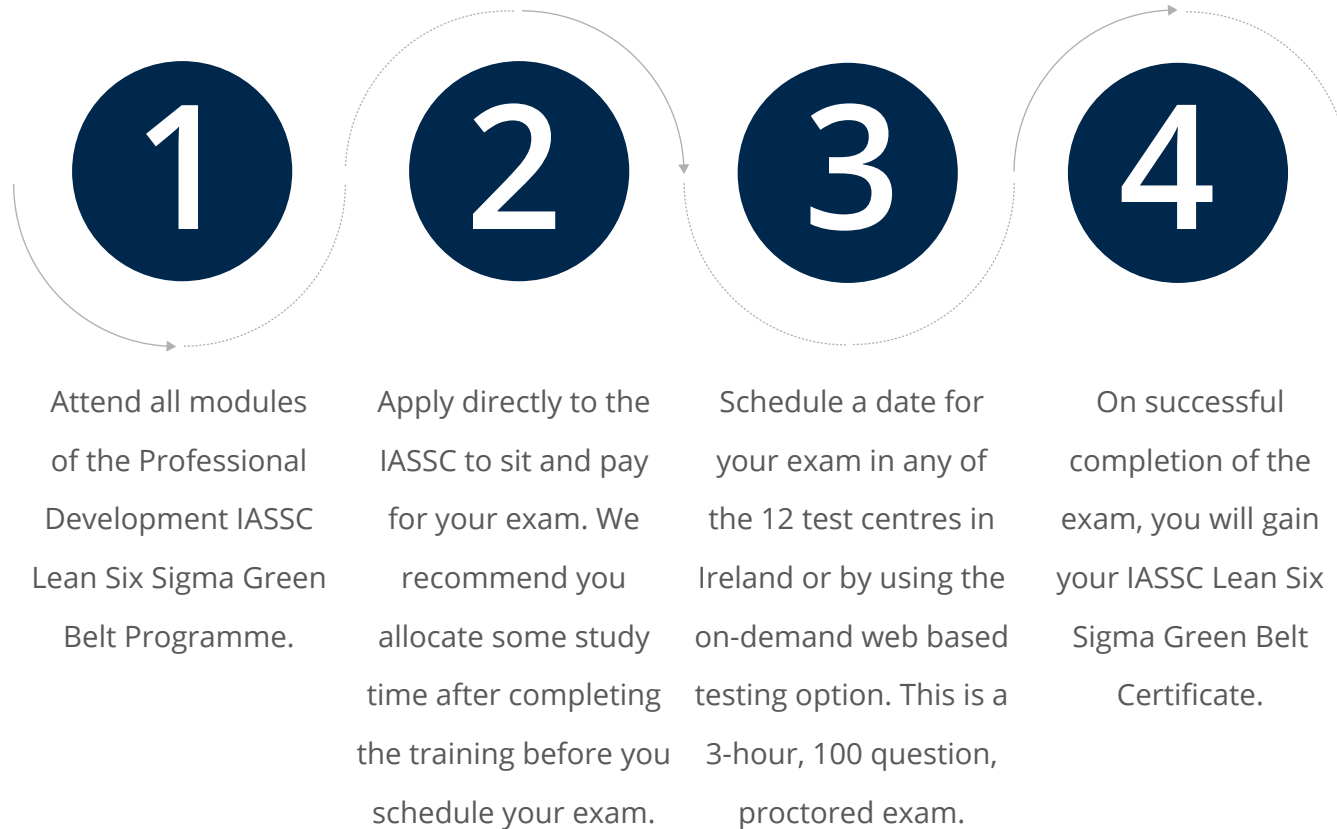
The International Association of Six Sigma Certification (IASSC) are globally recognised as a leading certifying body for championing best-practices in Lean Six Sigma.



Professional Development is an Accredited Training Organisation (ATO) and our trainers are Accredited Training Associates (ATA) with IASSC.



About This Certification



There are more than 8,000 test centres, in 165 countries worldwide, which are run by IASSC's Official Examination Institutes, (PeopleCert Group and PersonVue)

Programme Content

① Module 1: Define Phase

Introduction to IASSC Lean Six Sigma Green Belt Examination

- About IASSC
- Exam Application and Format

The Basics of Six Sigma

- Meaning of Six Sigma
- General History of Six Sigma and Continuous Improvement
- Deliverables of a Lean Six Sigma Project
- The Problem Solving Strategy $Y=f(x)$
- Voice of the Customer, Business and Employee
- Six Sigma Roles and Responsibilities

The Fundamentals of Lean Six Sigma

- Defining a Process
- Critical to Quality Characteristics (CTQs)
- Cost of Poor Quality (COPQ)
- Pareto Analysis (80:20 rule)
- Basic Six Sigma Metrics

The Lean Enterprise

- Understanding Lean
- The History of Lean
- Lean and Six Sigma
- The Eight Elements of Waste
- 5S

Selecting Lean Six Sigma Projects

- Building a Business Case and Project Charter
- Developing Project Metrics
- Financial Evaluation and Benefits Capture

Lean Six Sigma Project Structure

- Governance Structures
- Roles and Responsibilities
- Selecting Team Members
- Managing Change



Define: IASSC Sample Questions and Answers

continued on next page...

Programme Content

② Module 2: Measure Phase

Process Definition

- Cause and Effect / Fishbone Diagrams
- Process Mapping, SIPOC, Value Stream Map
- XY Diagram
- Failure Modes and Effects Analysis (FMEA)

Six Sigma Statistics

- Basic Statistics
- Descriptive Statistics
- Normal Distributions and Normality
- Graphical Analysis

Measurement System Analysis

- Precision and Accuracy
- Bias, Linearity and Stability
- Gage, Repeatability and Reproducibility
- Variable and Attribute MSA

Process Capability

- Capability Analysis
- Concept of Stability
- Attribute and Discrete Capability
- Monitoring Techniques



Measure: IASSC Sample Questions and Answers

continued on next page...

Programme Content

③ Module 3: Analyse Phase

Analyse Process Maps

Patterns of Variation

- Multi-Vari Analysis
- Classes of Distributions

Inferential Statistics

- Understanding Inference
- Sampling Techniques and Uses
- Central Limit Theorem

Hypothesis Testing

- General Concepts and Goals
- Significance: Practical vs Statistical
- Risk; Alpha and Beta
- Types of Hypothesis Test
- Hypothesis Testing with Normal Data
- Hypothesis Testing with Non-Normal Data
- Chi-Squared (Contingency Tables)



Analyse: IASSC Sample Questions and Answers

continued on next page...

Programme Content

④ Module 4: Improve Phase

- Running Kaizen Events
- Implementing Pull and Kanban Systems
- Error Proofing
- Implementing 5S
- Linear Regression
- Multiple Regression Analysis

④ Improve: IASSC Sample Questions and Answers

⑤ Module 5: Control Phase

- Lean Controls, 5S Kanban, Poka Yoke (Mistake Proofing)
- Standardised Procedures
- Visual Workplace
- Statistical Process Control (SPC) including Data Collection and various charts, such as R-Chart, P-Chart and U-Chart
- Six Sigma Control Plans

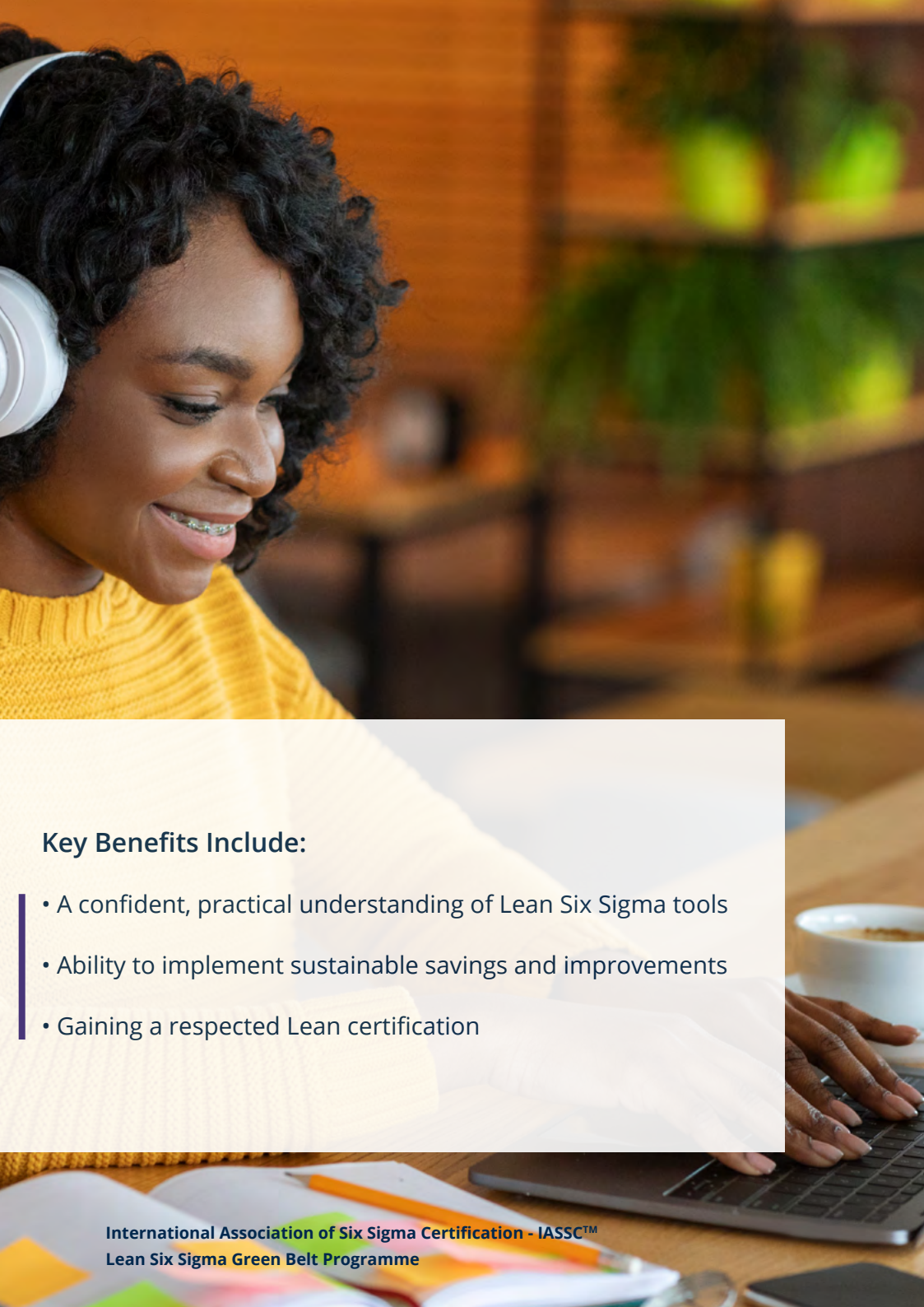
⑤ Control: IASSC Sample Questions and Answers



Ready to Go?

Get a Quote

Ask A Quick Question



Key Benefits Include:

- A confident, practical understanding of Lean Six Sigma tools
- Ability to implement sustainable savings and improvements
- Gaining a respected Lean certification

Attend a Public Green Belt Course

Our IASSC Green Belt programme is exclusively available for in-company bookings.

However, if you would like to attend one of our public training dates that covers similar skills, our public Lean Six Sigma Green Belt Course is an excellent fit.

This 5-day course is designed for anyone who wants to learn about, and become confident in using Lean and Six Sigma tools to reduce waste and implement process improvements within any organisation.

[Visit Webpage](#)

3 Ways to Get Started



Talk to Us

You can reach us by phone on Freephone 1800 910 810, or 01 861 0700 (mon - thurs, 9.00am - 5.30pm, fri, 9.00am - 5.00pm).

We will be happy to answer any questions you have and advise on the best option for your team's IASSC Lean Six Sigma Green Belt training.

Freephone 1800 910 810



Get a Tailored Quotation

To request a tailored quotation for in-house IASSC Lean Six Sigma Green Belt training, click the button below.

We will be in touch with a detailed quotation fitting your team's requirements.

Get a Quote



Ask A Question Online

If you would prefer to contact us online, request a phonecall, or to get in touch outside of office hours, using the "Ask a Question" button below is the best option.

We'll respond with the information you need.

Ask a Question

About Us

Professional Development - 34 Years of Innovation and Excellence

We believe that the key to a thriving and rewarding career is continuous professional development.

For over 34 years, Professional Development has led the way in providing practical, innovative courses leading to relevant and respected certifications.

We specialise in delivering training for core business skills including project management, agile, scrum, lean six sigma, management, communications, sales, it service management, and training design and delivery skills.

Our courses are designed to expand your skills, & enhance your career potential



Our Courses

Our courses are a balanced blend of both theoretical learning and practical application. This focused learning environment optimises the impact of training.



Our Clients

We provide training for Ireland's leading brands, working with companies of all sizes in every industry. We also provide training for non-corporate organisations.



Our Team

Our trainers are chosen for their engaging manner and expertise in a chosen field. They bring a wealth of experience to each programme they deliver.



Our Certifications

In many sectors, international certification is now essential. We provide many options for globally recognised certification in each subject area.

Stay Connected



Contact Us

Head Office

Suite 11, Plaza 256,
Blanchardstown Corporate Park 2,
Ballycoolin, Dublin 15, D15 T934

Freephone 1800 910 810

Dublin 01 861 0700

ask-us@professionaldevelopment.ie

www.professionaldevelopment.ie

[Contact Us](#)

