professional development

ASQ Certified Six Sigma Yellow Belt (CSSYB)

In-House Training (3 Days)

ASQ Exam Preparation

ASQ Exam Simulator

in-company for teams

Contents

ASQ Yellow Belt At A Glance

Globally recognised ASQ certification

3-day intensive exam preparation course

Based on Certified Six Sigma Body of Knowledge for Yellow Belt

Gain a solid foundation knowledge of Six Sigma

Exam preparation and access to ASQ exam simulator

Experience using Lean Six Sigma is beneficial

In-company programmes tailored to your team's needs

Delivered by an experienced Lean Six Sigma Black Belt trainer

What is a "Yellow Belt"?

Did You Know?

Although this Yellow Belt training is only available for in-company bookings, we run our public Yellow Belt course all year-round.

Learn More

- A Yellow Belt is someone beginning their involvement with process improvement, or Lean Six Sigma.

- They have a foundational knowledge of the DMAIC cycle and Six Sigma methodolgies.

- They are confident in assisting and supporting Green Belt and Black Belt practitioners on process improvement projects.

More About Six Sigma Belts

- **Yellow Belt:** Knowledge to understand Six Sigma concepts and to assist Green and Black belts.

- **Green Belt:** Running in-company Green Belt training for candidates who will be instrumental in Six Sigma projects. Some delegates may be eligible to begin training and certification at this stage.

- **Black Belt:** This final certification stage will be relevant for those who will lead Six Sigma process improvement across the organisation.

About This Programme

Achieve Global Certification as a Six Sigma Yellow Belt

This programme is ideal for any organisation seeking to introduce a culture of continuous improvement. The combination of practical learning and exam preparation gives your team a well-rounded introduction to best-practice approaches with Six Sigma.

We follow the syllabus for the ASQ Certified Six Sigma Yellow Belt (CSSYB) exam, which covers the core competencies yellow belts require in order to support quality process improvement projects.

Learn More about the Lean Journey

Want to Attend as an Individual?

Although our ASQ programme is only available for in-company bookings, we have a Lean Six Sigma Yellow Belt that runs as a public course, with dates available for anyone to attend online or in Dublin. Click here to learn more...

Programme Objectives

Upon completion of this programme, participants will:

- Be prepared to undertake the ASQ Certified Six Sigma Yellow Belt (CSSYB) exam, which is based on the ASQ Body of Knowledge for Yellow Belts (Knowledge and Blooms Taxonomy levels are defined in the ASQ SSYB BOK).

- Gain a firm knowledge of the ASQ Body of Knowledge for Yellow Belts.

- Learn the tools and techniques to support quality improvement projects at yellow belt level.

Delivery Style

How is this Course Structured?

This programme is comprised of 3 days intensive classroom or online training, followed by a period of self-directed study by each participant. During this study period, participants will have access to ASQ simulated exams.

ASQ Exam Simulator

- 365 days of unlimited simulator access
- 3 x full exams, with 75 questions per exam
- 2 x exam modes:

  - **Simulation Mode:** timed test with a score provided and review questions. Excellent for building confidence and for use in days leading up to the real ASQ exam.

  - **Review Mode:** focus on specific areas and explanation given for correct and incorrect answers. Ideal for use as a study tool.

ASQ - American Society for Quality

ASQ is a global organisation, championing both high standards in quality, and best application of six sigma methodolgies across all sectors.

Delivery Style

We run this ASQ Certified Six Sigma Yellow Belt Course for in-company (often called "in-company" 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?

Organisational Benefits

Introduce methods for lowering costs & waste, streamlining processes & efficiency, and increasing quality & profit margin.

Team Benefits

Each member of each team will be confident & able to support both green and black belts in process improvement projects.

Leadership Benefits

Managers and Directors will have a clear understanding of Six Sigma, and how it can be applied to the organisation.

Individual Benefits

Gain practical and versatile process improvement skills that are sought-after by organisations in all sectors.

Learn More

Ask A Question

Get a Quote

Programme Content, Module 1: Six Sigma Fundamentals

① Six Sigma Fundamentals

    (25% of exam: 20 questions)

- Six Sigma foundations and principles

- Lean foundations and principles

- Six sigma roles and responsibilities

- Team basics

  » types of teams

  » stages of development

  » decision-making tools: brainstorming, multivoting, nominal group technique (NGT)

  » communication methods

- Quality tools and six sigma metrics

  » quality tools throughout the DMAIC process: pareto charts, cause and effect diagrams, flowcharts, run charts, check sheets, scatter diagram, histograms

- Six sigma metrics throughout the DMAIC process

  » defects per unit (DPU)

  » defects per million opportunities (DPMO)

  » rolled throughput yield (RTY)

  » cycle time

  » cost of poor quality (COPQ)

? Exam Questions & Answers

Programme Content, Module 2: Define Phase

② Define Phase

(17.5% of exam: 14 questions)

Project Identification

» voice of the customer

» project selection

» stakeholder analysis

» process inputs and outputs

» supply chain management

Project Management (PM) Basics

• Project charter

• Communication plan

• Project planning

» work breakdown structure (WBS)

» Gantt charts

• Project management tools

» activity network diagrams

» affinity diagrams

» matrix charts

» relations charts

» tree diagrams

• Phase reviews

» tollgate or phase reviews

? Exam Questions & Answers

Programme Content, Module 3: Measure Phase

③ Measure Phase

(18.75% of exam: 15 questions)

Basic statistics

• Central tendency

» mean

» median

» mode

• Measures of dispersion

» standard deviation

» range

» variance

Data collection

• Data collection plans

• Qualitative and quantitative data

• Data collection techniques

» surveys

» interviews

» check sheets

» checklists

Measurement System Analysis (MSA)

• MSA terms

» precision

» accuracy

» bias

» linearity

» stability

• Gauge repeatability and reproducibility (GR&R)

? Exam Questions & Answers

Programme Content, Module 4: Analyze Phase

④ Analyze Phase

(21.25% of exam: 17 questions)

Process Analysis Tools

• Lean tools

» 5s

» value analysis

• Failure modes and effects analysis (FMEA)

Root Cause Analysis

• 5 whys

• Process mapping

• 8D

• Force-field analysis

• Matrix charts

Corrective Action

» interim action

» permanent action

» validation

Preventative Action

» process analysis techniques

» error-proofing

» initiating procedural changes

Data Analysis

• Basic distribution types

» normal and binomial distributions

» shapes (skewed and bimodal)

• Common and special cause variation

Correlation and Regression

• Correlation

» relationships between variables

• Regression

» how regression analysis is used to predict outcomes

Hypothesis testing

• Null and alternative

• Type I and type II error

• P-value and power

? Exam Questions & Answers

Programme Content, Module 5: Control & Improve Phases

⑤ Improve & Control Phases

(17.5% of exam: 14 questions)

? Exam Questions & Answers

Improvement techniques

• Kaizen and kaizen blitz

• Plan-do-check-act (PDCA) cycle

• Cost-benefit analysis

Control Tools and Documentation

• Control plan

• Control charts

» X-R charts

• Document control

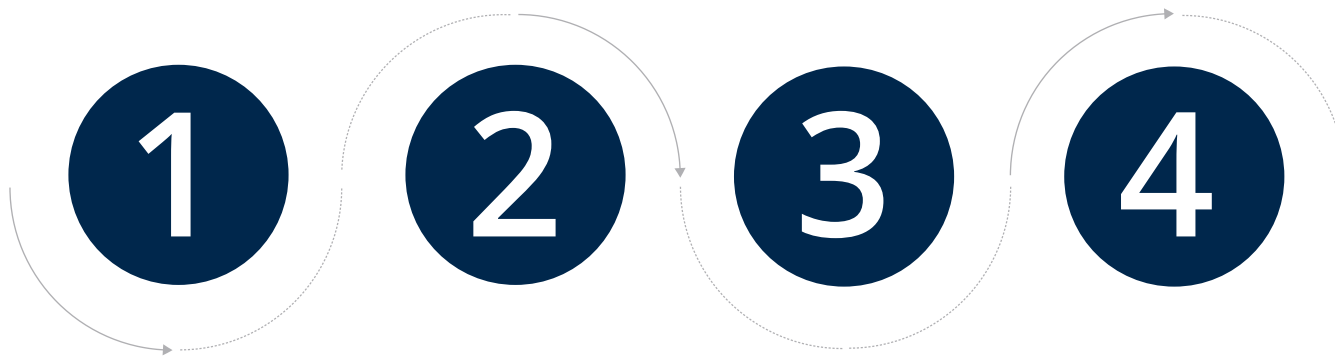• Work instructions and standard operating procedures (SOPs)

Ready to Go?

Get a Quote

Ask A Quick Question

Path to ASQ Certification

1 **2** **3** **4**

1. Schedule our intensive 3-day course for your team.

2. Study period and access to exam simulator

3. Schedule online exam

4. Achieve your certification.

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 ASQ Certified Six Sigma Yellow Belt training.

Freephone 1800 910 810

Get a Tailored Quotation

To request a tailored quotation for in-company ASQ Certified Six Sigma Yellow 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'd prefer to contact us online, request a phonecall, or to get in touch outside of office hours, using the "Ask A Quick Question" button below is the best option.

We'll respond with the information you need.

Ask A Quick 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

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