

Manufacturing Requirements, Digital Regulations & Global Standards

COURSE OVERVIEW

This course provides a detailed understanding of the essential frameworks, compliance protocols and digital transformation trends shaping modern manufacturing industries. It explores international standards such as ISO, IEC and ASTM, along with emerging digital regulations governing smart factories, data integrity, sustainability and quality management. Through a blend of theoretical insights with case studies, participants will be equipped with the technical and regulatory knowledge required to navigate complex global manufacturing environments efficiently and responsibly.

WHO SHOULD ATTEND?

This course is designed for manufacturing professionals, production managers, quality assurance specialists, regulatory compliance officers, engineers and supply chain managers seeking to strengthen their understanding of global manufacturing standards and digital compliance. It is also beneficial for policy makers, consultants and technology leaders involved in the digital transformation and regulatory governance of industrial operations.

COURSE OUTCOMES

Delegates will gain the skills and knowledge to:

- Understand key international manufacturing standards and their applications.
- Interpret and implement digital regulatory requirements for compliance and efficiency.
- Integrate sustainability and quality management principles within production systems.
- Analyze the impact of Industry 4.0 technologies on regulatory and operational frameworks.
- Develop strategies to ensure global market readiness and standard conformity.
- Align organizational policies with evolving global regulations and digital manufacturing trends.

KEY COURSE HIGHLIGHTS

At the end of the course, you will understand;

- Detailed exploration of ISO, IEC, and ASTM standards.
- Insights into digital manufacturing compliance and data integrity.
- Case studies on global best practices and regulatory challenges.
- Practical tools for managing audits, certifications, and quality systems.
- Guidance on aligning manufacturing operations with global digital standards.

All our courses are dual-certificate courses. At the end of the training, the delegates will receive two certificates.

1. A GTC end-of-course certificate
2. Continuing Professional Development (CPD) Certificate of completion with earned credits awarded