Garnet
Garnet Global Training Center

GGT-MF-128

Manufacturing & Industrial Engineering

Industrial Engineering Fundamentals

أساسيات الهندسة الصناعية

Duration	Language	Formats	Hours	Level
5 or 10 days	**English or Arabic**	**Classroom, online, in-house**	**35 / 70**	**Foundation**

Overview

Industrial Engineering Fundamentals is designed for people who are new to the subject, or who need a structured refresher before taking on more responsibility. Run productive, high-quality factories with lean methods, planning and modern manufacturing technology. It runs as a 5-day or 10-day program in English or Arabic, in classrooms in Dubai, Riyadh, Cairo, London, Istanbul and other cities, or live online, and can be delivered in-house.

What you will be able to do

- Explain the key concepts, terms and standards of Industrial Engineering Fundamentals.
- Read and use the documents, forms and data common in this field.
- Know when to escalate and who to involve.
- Communicate confidently with specialists and colleagues.
- Plan the next steps in your own learning.

Who should attend

Production managers, industrial and manufacturing engineers, plant supervisors. No prior experience is required; it also suits new hires, graduates and staff moving into this field.

Key topics

- Production systems
- Lean and waste reduction
- Planning and scheduling
- Quality at source
- Automation and Industry 4.0
- Productivity measurement

Formats and fees

5-day classroom	**USD 4,750**
5-day online	**USD 2,950**
10-day classroom	**USD 8,950**
10-day online	**USD 5,450**
In-house	**Quotation per group**

Fees per participant, excluding VAT.

Register or ask

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Email: info@garnettrainings.com

Training: training@garnettrainings.com

Web: garnettrainings.com

Sharjah Publishing City Free Zone, Sharjah, UAE

Certificate

Participants who attend at least 90% of sessions and complete the final assessment receive a certificate of completion stating 35 contact hours (5-day) or 70 contact hours (10-day).

5-day outline

Day 1 Introduction to Industrial Engineering Fundamentals

- Production systems
- Checklists and templates to take away

Day 2 Core concepts and terminology

- Lean and waste reduction
- Planning and scheduling

Day 3 Basic methods and tools

- Quality at source
- Group discussion and peer review

Day 4 Working safely and correctly

- Automation and Industry 4.0
- Measurement and reporting

Day 5 Practical exercises and review

- Productivity measurement
- Hands-on workshop on a workplace challenge

10-day outline

Day 1 Introduction to Industrial Engineering Fundamentals

- Production systems
- Checklists and templates to take away

Day 2 Core concepts and terminology

- Lean and waste reduction
- Planning and scheduling

Day 3 Basic methods and tools

- Quality at source
- Group discussion and peer review

Day 4 Working safely and correctly

- Automation and Industry 4.0
- Measurement and reporting

Day 5 Practical exercises and review

- Productivity measurement
- Hands-on workshop on a workplace challenge

Day 6 Advanced techniques and specialist practice

- Complex cases in depth
- Common mistakes and how to avoid them

Day 7 Digital tools, data and automation

- Analysis tools and software
- Using AI in this field

Day 8 Benchmarking against international practice

- Global performance benchmarks
- Regional and international case studies

Day 9 Capstone project

- Analyse a real challenge from your organisation
- Build the solution and implementation plan

Day 10 Presentations, final assessment and certificates

- Project presentations and review
- Final exam and certificate award

Schedule 2027–2030

Dates	Format	City	Language	Fee (USD)
12–16 Apr 2027	5-day online	Live online	Arabic	2,950
15–19 Aug 2027	5-day classroom	Amman	English	4,750
6–10 Sep 2027	5-day classroom	Dubai	English	4,750
6–17 Dec 2027	10-day classroom	London	English	8,950
5–9 Mar 2028	5-day classroom	Amman	Arabic	4,750
10–21 Apr 2028	10-day classroom	Paris	English	8,950
5–16 Jun 2028	10-day online	Live online	Arabic	5,450
11–15 Sep 2028	5-day classroom	London	English	4,750
2–6 Sep 2029	5-day classroom	Cairo	Arabic	4,750

Dates	Format	City	Language	Fee (USD)
15–19 Oct 2029	5-day classroom	London	English	4,750
12–23 Nov 2029	10-day classroom	Abu Dhabi	English	8,950
17–21 Dec 2029	5-day online	Live online	Arabic	2,950
21 Jan – 1 Feb 2030	10-day online	Live online	Arabic	5,450
17–21 Jun 2030	5-day classroom	Abu Dhabi	English	4,750
1–5 Jul 2030	5-day classroom	Dubai	Arabic	4,750
12–23 Aug 2030	10-day classroom	Singapore	English	8,950

Customised and in-house versions of this course are available on request. garnettrainings.com/en/customise/