Garnet
Garnet Global Training Center

GGT-TC-120

Telecommunications

4G & LTE Networks

شبكات الجيل الرابع و LTE

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

Overview

4G & LTE Networks turns established good practice into step-by-step methods that participants rehearse in exercises and then apply at work. Network, spectrum and service programs for operators and enterprise telecom teams. 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

- Apply the methods and standards of 4G & LTE Networks to real tasks.
- Share good practice with your team.
- Use the right tools, checks and calculations step by step.
- Diagnose common problems and identify root causes.
- Interpret data and results correctly and act on them.

Who should attend

Telecom engineers, network planners, operations and regulatory staff. Practitioners with one to five years of experience benefit most.

Key topics

- Network architecture
- Radio and spectrum
- Fibre and transmission
- Service assurance
- Regulation and licensing
- Emerging technologies

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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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 4G & LTE Networks: principles and standards
- Service assurance
- Common mistakes and how to avoid them

Day 2 Methods and tools in practice
- Regulation and licensing
- Emerging technologies

Day 3 Diagnosis and problem solving
- Network architecture
- Regional and international case studies

Day 4 Quality, safety and documentation
- Radio and spectrum
- Checklists and templates to take away

Day 5 Workshop, assessment and action plan
- Fibre and transmission
- Group discussion and peer review

10-day outline

Day 1 4G & LTE Networks: principles and standards
- Service assurance
- Common mistakes and how to avoid them

Day 2 Methods and tools in practice
- Regulation and licensing
- Emerging technologies

Day 3 Diagnosis and problem solving
- Network architecture
- Regional and international case studies

Day 4 Quality, safety and documentation
- Radio and spectrum
- Checklists and templates to take away

Day 5 Workshop, assessment and action plan
- Fibre and transmission
- Group discussion and peer review

Day 6 Advanced techniques and specialist practice
- Complex cases in depth
- Measurement and reporting

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
- Hands-on workshop on a workplace challenge

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)
16–27 May 2027	10-day classroom	Riyadh	Arabic	8,950
5–9 Jul 2027	5-day classroom	London	English	4,750
15–19 Nov 2027	5-day online	Live online	Arabic	2,950
5–9 Dec 2027	5-day classroom	Cairo	Arabic	4,750
13–17 Feb 2028	5-day classroom	Riyadh	Arabic	4,750
11–15 Jun 2028	5-day classroom	Jeddah	Arabic	4,750
11–22 Sep 2028	10-day online	Live online	Arabic	5,450
19–30 Nov 2028	10-day classroom	Manama	English	8,950
1–5 Jan 2029	5-day online	Live online	Arabic	2,950
10–21 Jun 2029	10-day classroom	Doha	English	8,950

Dates	Format	City	Language	Fee (USD)
20–24 Aug 2029	5-day classroom	Amsterdam	English	4,750
10–14 Dec 2029	5-day classroom	Dubai	Arabic	4,750
17–28 Jun 2030	10-day online	Live online	Arabic	5,450
14–18 Jul 2030	5-day classroom	Doha	Arabic	4,750
14–25 Oct 2030	10-day classroom	Kuala Lumpur	English	8,950
10–14 Nov 2030	5-day classroom	Cairo	English	4,750

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