Garnet
Garnet Global Training Center

GGT-TC-102

Telecommunications

Fibre Optic Networks

شبكات الألياف الضوئية

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

Overview

Participants in Fibre Optic Networks practise the methods, tools and standards they need to perform reliably and solve problems on the job. 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 Fibre Optic Networks to real tasks.
- 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.
- Follow safe, compliant and documented work practices.

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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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 Fibre Optic Networks: principles and standards
- Emerging technologies
- Hands-on workshop on a workplace challenge

Day 2 Methods and tools in practice
- Network architecture
- Radio and spectrum

Day 3 Diagnosis and problem solving
- Fibre and transmission
- Common mistakes and how to avoid them

Day 4 Quality, safety and documentation
- Service assurance
- Regional and international case studies

Day 5 Workshop, assessment and action plan
- Regulation and licensing
- Checklists and templates to take away

10-day outline

Day 1 Fibre Optic Networks: principles and standards
- Emerging technologies
- Hands-on workshop on a workplace challenge

Day 2 Methods and tools in practice
- Network architecture
- Radio and spectrum

Day 3 Diagnosis and problem solving
- Fibre and transmission
- Common mistakes and how to avoid them

Day 4 Quality, safety and documentation
- Service assurance
- Regional and international case studies

Day 5 Workshop, assessment and action plan
- Regulation and licensing
- Checklists and templates to take away

Day 6 Advanced techniques and specialist practice
- Complex cases in depth
- Group discussion and peer review

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
- Measurement and reporting

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)
8–12 Feb 2027	5-day classroom	Paris	English	4,750
8–12 Mar 2027	5-day classroom	Dubai	Arabic	4,750
14–18 Jun 2027	5-day online	Live online	English	2,950
17–28 Oct 2027	10-day classroom	Kuwait City	Arabic	8,950
10–14 Jan 2028	5-day classroom	Singapore	English	4,750
9–20 Apr 2028	10-day classroom	Riyadh	English	8,950
16–27 Oct 2028	10-day online	Live online	English	5,450
18–22 Dec 2028	5-day classroom	Abu Dhabi	Arabic	4,750
21–25 Jan 2029	5-day classroom	Riyadh	Arabic	4,750
18–22 Jun 2029	5-day online	Live online	English	2,950

Dates	Format	City	Language	Fee (USD)
12–23 Aug 2029	10-day classroom	Jeddah	Arabic	8,950
18–22 Nov 2029	5-day classroom	Doha	Arabic	4,750
17–28 Mar 2030	10-day classroom	Kuwait City	English	8,950
16–20 Jun 2030	5-day classroom	Doha	English	4,750
1–12 Jul 2030	10-day online	Live online	Arabic	5,450
11–15 Nov 2030	5-day classroom	Kuala Lumpur	English	4,750

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