



Telecommunications

5G Networks Planning & Deployment

تخطيط ونشر شبكات الجيل الخامس

Duration

5 or 10 days

Language

English or Arabic

Formats

Classroom, online, in-house

Hours

35 / 70

Overview

5G Networks Planning & Deployment is part of the Telecommunications track at Garnet Global Training Center. Network, spectrum and service programs for operators and enterprise telecom teams. The course is taught in English or Arabic as a 5-day or 10-day program, in classrooms in cities such as Dubai, Riyadh, Cairo, London and Istanbul, or live online, and it can be delivered in-house with examples and exercises built around your own operations.

What you will be able to do

- Explain the principles, terminology and standards that govern 5G Networks Planning & Deployment.
- Apply proven methods and tools to real situations from your own workplace.
- Analyse performance gaps, risks and root causes, and choose the right response.
- Measure results with practical indicators and report them clearly to management.
- Leave with a personal action plan you can start using the following week.

Who should attend

Telecom engineers, network planners, operations and regulatory staff.

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: www.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 Foundations of 5G Networks Planning & Deployment

- Scope, terminology and governing standards
- Network architecture

Day 2 Methods and tools

- Radio and spectrum
- Fibre and transmission

Day 3 Application and case studies

- Service assurance
- Emerging technologies

Day 4 Performance, risk and compliance

- Regulation and licensing
- Measurement and reporting

Day 5 Workshop, assessment and action plan

- Hands-on workshop on a workplace challenge
- Final assessment and personal action plan

10-day outline

Day 1 Foundations of 5G Networks Planning & Deployment

- Scope, terminology and governing standards
- Network architecture

Day 2 Methods and tools

- Radio and spectrum
- Fibre and transmission

Day 3 Application and case studies

- Service assurance
- Emerging technologies

Day 4 Performance, risk and compliance

- Regulation and licensing
- Measurement and reporting

Day 5 Workshop, assessment and action plan

- Hands-on workshop on a workplace challenge
- Final assessment and personal action plan

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
- 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)
4–8 Jan 2027	5-day classroom	Abu Dhabi	English	4,750
5–16 Apr 2027	10-day online	Live online	English	5,450
16–20 May 2027	5-day classroom	Muscat	English	4,750
16–20 Aug 2027	5-day online	Live online	English	2,950
4–15 Oct 2027	10-day classroom	Dubai	English	8,950
10–21 Jan 2028	10-day online	Live online	Arabic	5,450
15–19 May 2028	5-day online	Live online	Arabic	2,950
20–24 Aug 2028	5-day classroom	Manama	English	4,750
16–27 Oct 2028	10-day classroom	Abu Dhabi	English	8,950

Dates	Format	City	Language	Fee (USD)
13–17 Nov 2028	5-day classroom	Istanbul	English	4,750
4–15 Feb 2029	10-day classroom	Riyadh	Arabic	8,950
5–9 Mar 2029	5-day online	Live online	English	2,950
21–25 May 2029	5-day classroom	London	English	4,750
11–22 Jun 2029	10-day online	Live online	Arabic	5,450
10–14 Sep 2029	5-day classroom	Istanbul	English	4,750
1–12 Apr 2030	10-day classroom	London	English	8,950
7–11 Jul 2030	5-day classroom	Jeddah	Arabic	4,750
9–13 Sep 2030	5-day online	Live online	Arabic	2,950
7–11 Oct 2030	5-day classroom	Istanbul	English	4,750
16–27 Dec 2030	10-day online	Live online	English	5,450

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