

# Cisco Service Provider 5G Technologies Foundations v1.0 (SPMBL100)

**Duration:** 32.00 hours (4 days)

**26.0 CPD Hours**

**Rating:** ★ 4.6 (5,878 reviews)

## Course Information

**Delivery Format:** Instructor Led - Online

## Course Overview

The Cisco Service Provider 5G Technologies Foundations (SPMBL100) v1.0 course introduces mobile network components, basic 5G concepts, and features of 5G technology including faster data speeds, higher device capacity, and improved user experience. You will examine the mobile packet core solutions, 5G transport architecture, and Cisco® automation and orchestration tools used in 5G networks. You will also learn about the Cisco 5G Non-standalone (NSA) and the Cisco Ultra Cloud Core 5G standalone (SA) platform solutions, the Cisco 5G converged Software-Defined Networking (SDN) transport architecture, and Cisco edge computing solutions. You will study the Cisco Network Function Virtualization (NFVI) architecture, Cisco Network Services Orchestrator (NSO), and Cisco Elastic Services Controller (ESC). You will learn how 5G is distributed with Telco Data Center (DC) with Cisco Application Centric Infrastructure (Cisco ACI®). And finally, Zero-Touch Provisioning (ZTP), Cisco Crosswork , and the Cisco 5G security architecture will also be presented.

## About This Course

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## Who Should Attend

This course is designed for network and software engineers and hold job roles such as:

Network administrator

Network engineer

Network manager

System engineer

Project manager

Network designer

# Learning Outcomes

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**Upon successful completion of this course, participants will be able to:**

After taking this course, you should be able to:

Describe mobile network architecture basics

List enabling technologies for 5G and describe 5G key use cases

Perform basic operations on a Cisco 5G NSA mobile packet core

Describe the Cisco 5G Converged SDN Transport Architecture

Describe Cisco NFVI and perform basic operations using Cisco ESC and Cisco Virtualized Infrastructure Manager (VIM)

Describe Cisco service provider automation and orchestration solutions to deploy and manage 5G network functions

Describe the Cisco Ultra Cloud Core architecture and deploy the Cisco SMI

Explain the 5G ready distributed Telco DC with Cisco ACI solution

Describe the Cisco 5G security architecture

## Additional Course Details

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Nexus Humans Cisco Service Provider 5G Technologies Foundations v1.0 (SPMBL100) training program is a workshop that presents an invigorating mix of sessions, lessons, and masterclasses meticulously crafted to propel your learning expedition forward.

This immersive bootcamp-style experience boasts interactive lectures, hands-on labs, and collaborative hackathons, all strategically designed to fortify fundamental concepts.

Guided by seasoned coaches, each session offers priceless insights and practical skills crucial for honing your expertise. Whether you're stepping into the realm of professional skills or a seasoned professional, this comprehensive course ensures you're equipped with the knowledge and prowess necessary for success.

While we feel this is the best course for the Cisco Service Provider 5G Technologies Foundations v1.0 (SPMBL100) course and one of our Top 10 we encourage you to read the course outline to make sure it is the right content for you.

Additionally, private sessions, closed classes or dedicated events are available both live online and at our training centres in Dublin and London, as well as at your offices anywhere in the UK, Ireland or across EMEA.

# Frequently Asked Questions

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## **Q: What delivery options are available for Cisco Service Provider 5G Technologies Foundations v1.0 (SPMBL100)?**

We offer multiple delivery formats:

- Live Instructor-Led Classroom Online (Virtual/Live Online)
  - Traditional Instructor-Led Classroom Training (ILT)
  - On-site delivery at your offices anywhere in United Kingdom
  - Private dedicated courses customized for your team
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## **Q: How many CPD hours does this course provide?**

The 4-day Cisco Service Provider 5G Technologies Foundations v1.0 (SPMBL100) course provides up to 26.0 CPD hours of structured learning. CPD certificates can be provided upon request.

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## **Q: What is the duration of the Cisco Service Provider 5G Technologies Foundations v1.0 (SPMBL100) training?**

The training takes place over 4 day(s), with each day lasting approximately 32.00 hours including breaks for lunch and refreshments.

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## **Q: Do you provide corporate training for Cisco Service Provider 5G Technologies Foundations v1.0 (SPMBL100)?**

Yes, we provide corporate training, dedicated training, and closed classes for Cisco Service Provider 5G Technologies Foundations v1.0 (SPMBL100). Training can take place anywhere in United Kingdom including London, Manchester, Birmingham, Edinburgh, or live online allowing teams from across United Kingdom or internationally to attend.

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## Q: Why choose Nexus Human for Cisco Service Provider 5G Technologies Foundations v1.0 (SPMBL100)?

Nexus Human is recognized as one of the leading training providers. Our trainers have won multiple awards including:

- Small Firms Best Trainer Award
- National Training Partner of the Year (Ireland) - Multiple Years
- Global Top 30 Instructor Awards (2012, 2019, 2021)
- Tech Excellence Award Nominations
- Learning Performance Institute (LPI) External Training Provider Sponsor 2024

## Q: Are there any discount codes available?

Yes! Use discount code **PENPALS** when booking your Cisco Service Provider 5G Technologies Foundations v1.0 (SPMBL100) training. Please note that only one discount code can be used per booking and cannot be combined with other special offers.

## Nexus Human

### Professional Training & Development

 Email: [info@nexushuman.com](mailto:info@nexushuman.com)

 Website: [www.nexushuman.com](http://www.nexushuman.com)

 Phone: +353 1 XXX XXXX (Ireland) | +44 20 XXXX XXXX (UK)