

# Telecoms Engineering

**Course Name**

Cisco IOS XR Advanced Network Management

**Course Description**

This course provides the learner the knowledge and skills to understand or operate and maintain the NRT FTNx Cisco IOS XR network equipment.

The course is split into 11 sections:

- Section 1: Cisco IOS XR Software Overview
- Section 2: Cisco IOS XR Software Operations
- Section 3: Network Time Synchronization
- Section 4: SNMP, Telemetry, and Logging
- Section 5: Cisco IOS XR 64-Bit Software Routing Protocols
- Section 6: Packet Filtering
- Section 7: Cisco IOS XR 64-Bit Multiprotocol Label Switching
- Section 8: Layer 3 VPNs
- Section 9: Cisco IOS XR Software Layer 2 Architecture
- Section 10: Cisco IOS XR Layer 2 Services
- Section 11: Monitoring Processes

**Audience**

-Field engineers (e.g. Field Services and Route Communication Engineers teams)  
-Network Management Centre (NMC) Tier 1 engineers - NMC Tier 2 engineers -  
NMC Tier 3 engineers - Network Designers - Senior Network Architects

**Duration:** 5 Day(s) **Class Size:** 8

**Competence Name Awarded****Competence Awarded****Course Code****Prerequisite Name**

Cisco IOS XR basics TCP/IP and Cisco fundamentals

**Prerequisite Short Code**

IOSXRB, TCPIP 0871

**Skills Assessment Scheme Regime****Course Type**

Face to Face

**Download Date: 10/1/2025**