

# Cisco NSO Advanced for Python Programmers (NSO300)

ID NSO300 Price on request Duration 5 days

## Who should attend

- System engineers
- System integrators
- System programmers
- System administrators
- Network administrators
- Solutions designers

## Prerequisites

Before you take this course, Cisco recommends that you have the knowledge and skills obtainable by attending the [Cisco Network Service Orchestrator \(NSO\) Essentials for Programmers and Network Architects \(v4.0\) \(NSO201\)](#) class, plus have knowledge in the following areas:

- Basic knowledge of the command line of UNIX-like operating systems
- Basic knowledge of Network Configuration Protocol (NETCONF)
- Basic knowledge of Yet Another Next Generation (YANG) data modelling
- Basic knowledge of Python software development

## Course Objectives

- Describe the NSO application framework
- Deploy NSO in Docker
- Implement Python- and template-based service
- Describe service lifecycle integration
- Describe the implementation of Layer 3 MPLS VPN service for a new service deployment
- Implement Nano services
- Describe the implementation of Layer 3 MPLS VPN service for an existing deployment
- Describe managed services
- Implement stacked services
- Describe how to scale service orchestration
- Describe the European Telecommunications Standards Institute Management and Orchestration (ETSI MANO) Framework
- Manage VNF Lifecycle with Cisco ESC
- Implement NFV

## Training Centres worldwide



## Fast Lane Institute for Knowledge Transfer (Switzerland) AG

Husacherstrasse 3  
CH-8304 Wallisellen  
Tel. +41 44 832 50 80

info@flane.ch, <https://www.flane.ch>