

# Course Name Cisco Catalyst Center, SD-Access, and Catalyst 9K Programmability Integration Fundamentals (CCCPF)

**Price:** 2895

**Duration:** 3 days

**Delivery Methods:** Virtual

## Overview

**CCCPF** (Cisco Catalyst Center Programmability Integration Fundamentals) is a 3-day, instructor-led, Cisco Catalyst Center course that will help you to become familiar with programmable infrastructure concepts and integrations that support Cisco SD-Access, Catalyst Center, and the Cisco Catalyst 9000 Series switch programming. In this course you will learn about production solutions that run on or interact with IOS-XE on the Catalyst 9000 switches.

## Who Should Enroll

The primary audience for this course is as follows:

- Network Operations team with SD-Access solution
- Network admin staff that deal with Software Defined Networking
- Network Administrators
- Network Architects
- Network Engineers

## COURSE OBJECTIVES

Upon completing this course, the learner will be able to meet these overall objectives:

- Describe what is SDN and Network Programmability
- Describe use cases and examples of Catalyst 9000 programmability
- Learn about Python and how it automates the Catalyst 9000
- Understand object-oriented programming
- Understand SD-Access
- Discuss how to apply Cisco Software-Defined Access programmatically
- Understand the Use Cases and Problems Solved with SDN programmability

- Explain an overview of OpenFlow and Network Controllers
- Explain an overview of Human Interaction DevOps-Style

### Learning Path Prerequisites

The knowledge and skills that a learner must have before attending this course are as follows:

- Familiarity with Catalyst 9k Switches
- Familiarity with Cisco Catalyst Center and SD-Access

### COURSE OUTLINE

Module 1: SD-Access Introduction

Module 2: SDA Wireless Architecture

Module 3: SDA Deployment

Module 4: SDA Center Ecosystems Integrations

Module 5: Catalyst Centre Assurance

Module 6: Python Programming

Module 7: Programming SDA and Catalyst Center

Module 8: Cisco Catalyst 9K Introduction

Module 9: Catalyst 9K and Cisco Application Framework

Module 10: Catalyst 9K EEM Python Module

Module 11: Data Models & Model Driven Programmability

Module 12: Model Driven Telemetry

Module 13: 3<sup>rd</sup> Party Integrations

### Course Schedule

Date	Time	Price	Options
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## **FAQ**

### **What if I have to reschedule my class due to conflict?**

Ten (10) business days' notice is required to reschedule a class with no additional fees. Notify  
TOPTALENT LEARNING as soon as possible at 469-721-6100 or by written notification to  
[info@toptalentlearning.com](mailto:info@toptalentlearning.com) to avoid rescheduling penalties.

### **How do I enroll for this class?**

Please contact our team at 469-721-6100; we will gladly guide you through the online purchasing process.

### **What happens once I purchase a class?**

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### **What is your late policy?**

If a student is 15 minutes late, they risk losing their seat to a standby student. If a student is 30 minutes late or more, they will need to reschedule. A no-show fee will apply. Retakes are enrolled on a stand-by basis. The student must supply previously issued courseware. Additional fees may apply.

### **What happens when I finish my class?**

You will receive a 'Certificate of Completion' once you complete the class. If you purchased an exam voucher for the class, a team member from TOPTALENT LEARNING will reach out to discuss your readiness for the voucher and make arrangements to send it.