

Course Outline

Networking Express for Engineers Workshop Course NXEWS: 2 days Instructor Led

All Cisco courses are delivered by a Cisco Authorized Platinum Learning Partner

About this course

With the 2-day Cisco Express Networking specialization, you will focus on Meraki technologies as a point of entry into the Cisco portfolio and gain exposure to foundational Cisco technologies. This Cisco Express Networking training course does require some fundamental knowledge. Students should be familiar with network operation, basic network security, and wireless. Course modules cover Cisco Networking, Portfolio and Switching Solutions, Routing Portfolio and Solutions, Wireless Portfolio and Solutions, Security Portfolio and Solution, and more. This Networking Express for Engineers Workshop is intended for channel partners.

Audience profile

Channel Partners

At course completion

After completing this course, students will be able to:

- Describe and explain networking express
- Describe, explain, and identify switching product portfolio
- Explain and identify switching positioning
- Describe and explain routing features
- Describe and explain Mobility Express features
- Explain and identify wireless tools and resources
- Describe, explain, and identify security product portfolio
- Describe, explain, and identify Cisco Active Advisor SE programs
- Describe, explain, and identify FindIT SE programs
- Describe and explain Meraki cloud architecture design
- Describe and explain Meraki datacenter reliability and security
- Describe and explain the Meraki WLAN (MR) platform and features
- Describe and explain the Meraki security appliance (MX) platform and features
- Describe and explain the Meraki switching (MS) platform and features
- Describe and explain the Meraki security cameras (MV) platform and feature
- Describe and explain the Meraki licensing model
- Describe and explain the Meraki support model

Course Outline

Day 1: Routing and Switching

- **Module 1: Introduction to Cisco Networking**
 - Overview
 - Market Trends and Drivers

Course Outline

- **Module 2: Portfolio and Switching Solutions**
 - Switching Overview
 - Cisco Switching Solutions
 - Switching Product Portfolio
 - Positioning Cisco Switching Solutions and Products
 - Cisco Switching Tools and Resources
- **Module 3: Introduction to Routing Portfolio and Solutions**
 - Routing Overview
 - Routing Product Portfolio
 - Positioning Cisco Routing
 - Cisco Routing Tools and Resources
- **Module 4: Introduction to Wireless Portfolio and Solutions**
 - Build or Expand a Wireless Practice
 - Mobility Express Overview
 - Mobility Express Products and Features
 - Cisco Wireless Products RF Planner
 - Wireless Resources
- **Module 5: Introduction to Security Portfolio and Solution**
 - Branch Threat Defense Umbrella
 - Security in the Digital Age
 - Security Portfolio Overview
 - Security Sales Resources
- **Module 6: Programs, Support, Services, Software, and Resources**
 - Programs – Cisco Active Advisor
 - Programs – FindIT

Course Outline

- Support Services

Day 2: Meraki

- **Module 7: Meraki Overview**
 - The Meraki Mission
 - Cloud Based Management
 - Zero Touch Provisioning
- **Module 8: Meraki MR – Wireless LAN**
 - Overview
 - Features
 - Models
 - Performance
- **Module 9: Meraki MX – Security Appliances**
 - Overview
 - Dashboard
 - Intrusion Prevention
 - Threat protection
- **Module 10: Meraki MS – Switches**
 - Access and Aggregation
 - Zero Touch Provisioning
 - Deployment
 - Management
- **Module 11: Meraki SM – Mobility Management**
 - Cloud Based Enterprise Mobility Management
 - Device On Boarding
 - Policy Automation

Course Outline

- **Module 12: Meraki MC – Collaboration**
 - Cloud Managed Communication
 - Products
 - Features
- **Module 13: Meraki MV – Surveillance**
 - Automatic Network Detection
 - MV Cameras
 - Video Sharing
- **Module 14: Meraki APIs – Developer Platforms**
 - Meraki developers' platform and community (APIs)
 - API Integration
- **Module 15: Meraki Sales Cycle**
 - Sales Resources
 - Meraki opportunities
 - Meraki demos
- **Module 16: Meraki Licensing, Support, and Warranty**
 - Meraki licensing model
 - Meraki support mode

Networking Express for Engineers Workshop
Course NXEWS: 2 days Instructor Led

All Cisco courses are delivered by a Cisco Authorized Platinum Learning Partner

About this course

With the 2-day Cisco Express Networking specialization, you will focus on Meraki technologies as a point of entry into the Cisco portfolio and gain exposure to foundational Cisco technologies. This Cisco Express Networking training course does require some fundamental knowledge. Students should be familiar with network operation, basic network security, and wireless. Course modules cover Cisco Networking, Portfolio and Switching Solutions, Routing Portfolio and Solutions, Wireless Portfolio and Solutions, Security Portfolio and Solution, and more. This Networking Express for Engineers Workshop is intended for channel partners.

Course Outline

Audience profile

Channel Partners

At course completion

After completing this course, students will be able to:

- Describe and explain networking express
- Describe, explain, and identify switching product portfolio
- Explain and identify switching positioning
- Describe and explain routing features
- Describe and explain Mobility Express features
- Explain and identify wireless tools and resources
- Describe, explain, and identify security product portfolio
- Describe, explain, and identify Cisco Active Advisor SE programs
- Describe, explain, and identify FindIT SE programs
- Describe and explain Meraki cloud architecture design
- Describe and explain Meraki datacenter reliability and security
- Describe and explain the Meraki WLAN (MR) platform and features
- Describe and explain the Meraki security appliance (MX) platform and features
- Describe and explain the Meraki switching (MS) platform and features
- Describe and explain the Meraki security cameras (MV) platform and feature
- Describe and explain the Meraki licensing model
- Describe and explain the Meraki support model

Course Outline

Day 1: Routing and Switching

- **Module 1: Introduction to Cisco Networking**
 - Overview
 - Market Trends and Drivers
- **Module 2: Portfolio and Switching Solutions**
 - Switching Overview
 - Cisco Switching Solutions
 - Switching Product Portfolio
 - Positioning Cisco Switching Solutions and Products
 - Cisco Switching Tools and Resources
- **Module 3: Introduction to Routing Portfolio and Solutions**

Course Outline

- Routing Overview
- Routing Product Portfolio
- Positioning Cisco Routing
- Cisco Routing Tools and Resources
- **Module 4: Introduction to Wireless Portfolio and Solutions**
 - Build or Expand a Wireless Practice
 - Mobility Express Overview
 - Mobility Express Products and Features
 - Cisco Wireless Products RF Planner
 - Wireless Resources
- **Module 5: Introduction to Security Portfolio and Solution**
 - Branch Threat Defense Umbrella
 - Security in the Digital Age
 - Security Portfolio Overview
 - Security Sales Resources
- **Module 6: Programs, Support, Services, Software, and Resources**
 - Programs – Cisco Active Advisor
 - Programs – FindIT
 - Support Services

Day 2: Meraki

- **Module 7: Meraki Overview**
 - The Meraki Mission
 - Cloud Based Management
 - Zero Touch Provisioning
- **Module 8: Meraki MR – Wireless LAN**

Course Outline

- Overview
- Features
- Models
- Performance
- **Module 9: Meraki MX – Security Appliances**
 - Overview
 - Dashboard
 - Intrusion Prevention
 - Threat protection
- **Module 10: Meraki MS – Switches**
 - Access and Aggregation
 - Zero Touch Provisioning
 - Deployment
 - Management
- **Module 11: Meraki SM – Mobility Management**
 - Cloud Based Enterprise Mobility Management
 - Device On Boarding
 - Policy Automation
- **Module 12: Meraki MC – Collaboration**
 - Cloud Managed Communication
 - Products
 - Features
- **Module 13: Meraki MV – Surveillance**
 - Automatic Network Detection
 - MV Cameras

Course Outline

- Video Sharing
- **Module 14: Meraki APIs – Developer Platforms**
 - Meraki developers' platform and community (APIs)
 - API Integration
- **Module 15: Meraki Sales Cycle**
 - Sales Resources
 - Meraki opportunities
 - Meraki demos
- **Module 16: Meraki Licensing, Support, and Warranty**
 - Meraki licensing model
 - Meraki support mode