

Aruba Networking Certified Professional (ANCP) – **Campus Access –** **Implementing Campus Access, Rev. 23.11**

Duration: 40 HRS

Overview

This course teaches you the advanced skills necessary to implement and operate enterprise level HPE Aruba Networking Campus Access solutions. You will build on the skills you learned at the Associate level to configure, secure, and manage modern, open standards-based wired and wireless network solutions using HPE's switching, mobility, security, and management technologies. In this course, participants learn about technologies including but not limited to: secure port access with HPE Aruba Networking's dynamic segmentation, redundancy technologies such as Multiple Spanning Tree Protocol (MSTP), link aggregation techniques including Link Aggregation Control Protocol (LACP), and switch virtualization with HPE Aruba Networking Virtual Switching Extension (VSX), and AOS-10 tunnel and mixed tunnel modes and HPE Aruba Networking Virtual Switching Framework (VSF). This course is approximately 50% lecture and 50% hands-on lab exercises.

Ideal candidate for this course

The ideal candidate has 2 to 5 years experience with the HPE Aruba Networking portfolio and an understanding of the implications of their actions on the network, impact and risk of change management. They have a distinguished understanding of different protocols across vendors, performance optimization across network disciplines, and a basic understanding of API calls and configurations. They can identify and fix configuration issues.

Suggested prerequisites

It is recommended that candidates have proficient networking experience or attend Campus Access Fundamentals to glean knowledge on HPE's Campus Access design solution.

Topics

- **Introduction to HPE Aruba Networking Solutions**
- **Building the Wired infrastructure**
- **Building the Wireless infrastructure with HPE Aruba Networking gateways**
- **Introducing the HPE Aruba Networking Tunneled WLAN Architecture**
- **Wireless Authentication using 802.1X**
- **Guest or Captive Portal**
- **Wireless Authentication for IOT PSK SSID**
- **Gateway Forwarding Modes**
- **Gateway Cluster Deployments**
- **Authentication on the Wired access layer**
- **Building a VXLAN tunnel and use GBP**
- **Security / Availability features**
- **Traffic optimization and QOS**
- **Monitoring**
- **Troubleshooting**

Upon Completion

After you successfully complete this course, expect to be able to:

- Build a Wired Infrastructure with HPE Aruba Networking switches
- Configure HPE Aruba Networking switches with VSX
- Configure routing using OSPF
- Manage switches using HPE Aruba Networking Central
- Deploy HPE Aruba Networking gateways
- Build HPE Aruba Networking overlay wireless networks
- Configure enterprise WLAN using HPE Aruba Networking gateways
- Configure guest WLAN using HPE Aruba Networking gateways
- Configure PSK WLAN using HPE Aruba Networking gateways
- Configure authentication on the wired access layer
- Understand Group Based Policies
- Configure security and availability features
- Monitor the network using HPE Aruba Networking Central
- Configure traffic optimization and QOS