

# Advanced Campus Access for Mobility, Rev. 23.41

## Course description

This 5-day advanced level course teaches you the HPE Aruba Networking campus access technologies, focusing on the mobility (80%) and the switching (20%) aspects of the network. You will learn how to:

- Strategize the implementation and configuration of HPE Aruba Networking campus access to get the most of the solutions.
- Use their troubleshooting methodologies successfully.
- Take complex scenarios and break them down into manageable blocks to provide the customer with the best possible outcomes.

## Ideal candidate for this course

Typical candidates for this course have 5+ years of experience with complex networks, mastery of configuration, and troubleshooting. They are very familiar with HPE Aruba Networking wired and wireless solutions, including the ability to implement and optimize enterprise level HPE Aruba Networking campus access solutions.

<b>Course ID</b>	0001203922
<b>Course format, Typical duration</b>	<b>Select one:</b> ILT - Instructor Led, 5 days VILT - Virtual Instructor Led, 5 days
<b>Skill level</b>	Advanced (ADV)
<b>Delivery languages</b>	English
<b>Lab required</b>	Yes
<b>Related certifications</b>	<ul style="list-style-type: none"> <li>• <a href="#">HPE Aruba Networking Certified Expert - Campus Access Mobility</a></li> </ul>
<b>In preparation for these exams</b>	<p>Selected items from this course are included in these exams:</p> <ul style="list-style-type: none"> <li>• <a href="#">HPE Campus Access Mobility Expert Written Exam</a></li> <li>• <a href="#">HPE Campus Access Mobility Expert Practical Exam</a></li> </ul>
<p><u><a href="#">Register for this course.</a></u> Find this course offering in the Training calendar. Click "Register" to take the course in The Learning Center. Login and Password required.</p>	

## Suggested prerequisites

The suggested prerequisite for this course is to attend the Implementing Campus Access, Rev. 23.11 training under Course ID: 0001199936 and/or pass the HPE Network Campus Access Professional Exam under Exam ID: HPE7-A01 acquiring HPE Aruba Networking Certified Professional - Campus Access certification.

## Topics

- **Troubleshooting**
  - Diagnostic principles
  - Troubleshooting zone
  - Logs
  - Packet analysis
- **Wired Campus Network**
  - Best practices and recommendations
  - Functional underlay network
  - Central options to configure the wired network
- **Wireless Campus Network**
  - HPE Aruba Networking Gateway cluster
  - Corporate SSID
  - IoT SSID
  - Guest SSID
- **Wired Authentication**
  - AOS-CX user-roles
  - Port authentication
  - HPE Aruba Networking AP authentication

- User-Role flow and assignation
- High-availability
- Troubleshooting
- Cloud authentication
- **Overlay Network**
  - Centralized Tunnels – UBT
  - Distributed Tunnels – VXLAN
  - Distributed Campus-wide fabric
  - Securing the Overlay network
  - Troubleshooting
- **Network Optimization**
  - Implementing QoS on a campus network
  - User Experience – UXI
  - Other techniques to apply
- **Reporting Information and Network Management**
  - Management access using TACACS+
  - Online reports
  - VisualIRF AP coverage
  - Central API interface
  - Postman as API software
  - Webhooks
- **Trouble tickets**

## Objectives

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

- Describe and execute best practice troubleshooting principles for a give scenario.
- Use a proven problem-solving methodologies.
- Describe REST API, NAE, IP SLA, SNMPv3 and NetEdit troubleshooting tools
- Configure, validate and troubleshoot Network Virtualization features
- Configure and validate multi-cluster deployments
- Configure and validate Corporate, IoT and Guest SSIDs
- Deploy and troubleshoot Mobility services in a large enterprise network
- Perform limited implementations and troubleshoot enterprise HPE Aruba Networking campus access switching networks, remote-access, and multi-tenant environment.
- Configure and validate HPE Aruba Networking WLAN secure employee and guest solutions.
- Implement advanced services and security solutions.
- Manage and monitor HPE Aruba Networking wireless pieces of the campus access solution.
- Perform some advanced troubleshooting.

## How to register

Click on this link to register for this course: <https://certification-learning.hpe.com/tr/TrainingCalendar?excludePartners=false&CourseId=0001203922>

## Policies, fees and cancellations

Course fees may vary. Fees are established and collected by the training center that delivers the course. Cancellation fees may apply. Contact your HPE Authorized Training Partner for their respective policies.

## For more information

[Contact our program](#)

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