# Campus Access Fundamentals (ACAF)

**ID** ACAF **Price** 4,950.— €(excl. VAT) **Duration** 5 days

## Who should attend

Ideal candidates for this course are people who need practical entry-level skills to design, configure, operate, or support modern campus LANs built with HPE Aruba Networking wired, wireless, security, and management products. Typical roles include: junior engineer, level 1 support, network operations engineer, and network technician

## This course is part of the following Certifications

HPE Aruba Networking Certified Professional – Data Center (ANCPDC)
HPE Aruba Networking Certified Associate - Campus Access (ACA-CA)

## Prerequisites

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- Campus Access Design Essentials
- HPE Aruba Networking Campus Access Essentials

## Course Objectives

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

- Describe the architecture, components, and core features of HPE Aruba Networking campus access solutions, and explain how
- HPE GreenLake and HPE Aruba Networking Central fit into the overall offering.
- Configure and manage HPE Aruba Networking devices and services using CLI, GUI, and HPE Aruba Networking Central.
- Diagnose connectivity, performance, and authentication issues to leverage appropriate resources.
- Produce and validate low-level designs and implementation readiness artifacts from high-level designs and site surveys.
- Demonstrate effective use of HPE Aruba Networking Central features to configure, manage, monitor, and troubleshoot.

## Course Content

### Introduction to HPE Aruba Networking Central

- Onboard devices in HPE GreenLake
- Navigation
- Hierarchy
- Device functions

### Device management

- API, CLI, and GUI configuration methods
- Elements of device configuration
- Configuration profiles
- System configuration of a device

### Switch connectivity fundamentals

- LANS and VLANs
- Creating VLAN profiles
- Switch port configuration

### Loop prevention

- Loop prevention mechanisms
- Configuring loop prevention mechanisms
- LAG concepts and prerequisites
- LAG configuration

### Switch high availability

- Introduction to VSF
- VSF configuration and management
- VSF monitoring and troubleshooting
- Introduction to VSX
- Deployment scenarios

### Layer 3 services

- Layer 3 routing
- Layer 3 services

### Routing fundamentals

- Introduction to routing
- Static routes
- Routing protocols

- OSPF

### AOS-10 architecture and bridged WLAN

- AOS-10 architecture
- Bridge mode WLAN
- AP uplink profile
- Monitoring bridged clients

### User roles

- User roles overview
- Rules and policy application
- Access and application roles
- Aliases

### Network security

- Introduction to AAA
- 802.1X authentication
- Roles and rules
- Captive portal
- Deployment overview

### User Experience Insight

- UXI overview
- UXI dashboard
- UXI integration with HPE Aruba Networking Central

### Floor Plan Manager and topology

- Floor Plan Manager
- Floor plan dashboard
- Topology

### Monitoring

- Monitoring with HPE Aruba Networking Central
- LED status
- Simple Network Management Protocol

### Troubleshooting using HPE Aruba Networking Central

- Troubleshooting methodology
- Tools and resources
- Audi Trail for troubleshooting
- AI Insights recommendation
- Alerts

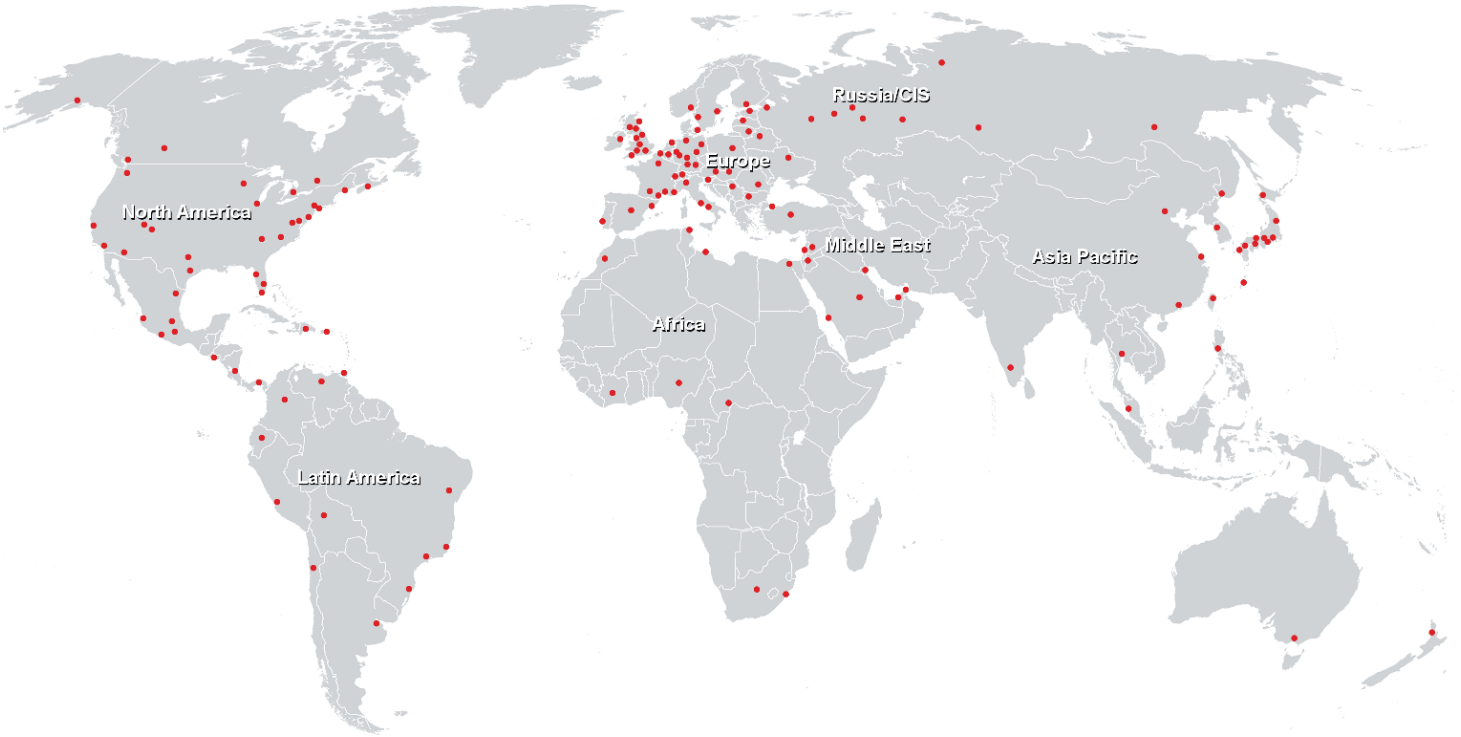
### Administration

- Identity and access control
- User audit logs
- Certificate management
- Manage reports

### Network design

- Gathering information
- RF planning
- Wired considerations

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**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**