

# Certified Allied Telesis Technician/ Enterprise Solution

## Duration

Three days.

## Delivery format

Classroom-based, instructor-led.

## Certification

Attendees will be required to pass a web-based or written exam upon completion of the course. The title of Certified Allied Telesis Technician will be awarded to candidates achieving the pass score.

## Intended Audience

Technicians installing the active and passive elements in networking projects and who install and maintain the Allied Telesis edge switches. The training is designed to provide all participants the opportunity to do practical tests and obtain the necessary knowledge to install and manage these products in complex environments.

## Prerequisites

A good basic theoretical knowledge of networking concepts.

## Scheduling

To learn more or schedule a class, visit our website at [alliedtelesis.com/training](http://alliedtelesis.com/training) or contact us via email:

NORTH AMERICA

» [na\\_training@alliedtelesis.com](mailto:na_training@alliedtelesis.com)

EUROPE

» [training.eu@alliedtelesis.com](mailto:training.eu@alliedtelesis.com)

## Introduction

This course is aimed at technicians installing and configuring Allied Telesis edge switches. The objective of this course is to transfer knowledge to those customers who are typically selling installation and maintenance services to their customers and thus need to ensure that they have enough skilled technicians to do so. The course is designed to give the participants the theory behind configuration tasks, and the opportunity to try the configurations. Simple networking debugging scenarios will be explained.

## Learn More

[alliedtelesis.com/training](http://alliedtelesis.com/training)

NORTH AMERICA

[na\\_training@alliedtelesis.com](mailto:na_training@alliedtelesis.com)

EUROPE

[training.eu@alliedtelesis.com](mailto:training.eu@alliedtelesis.com)

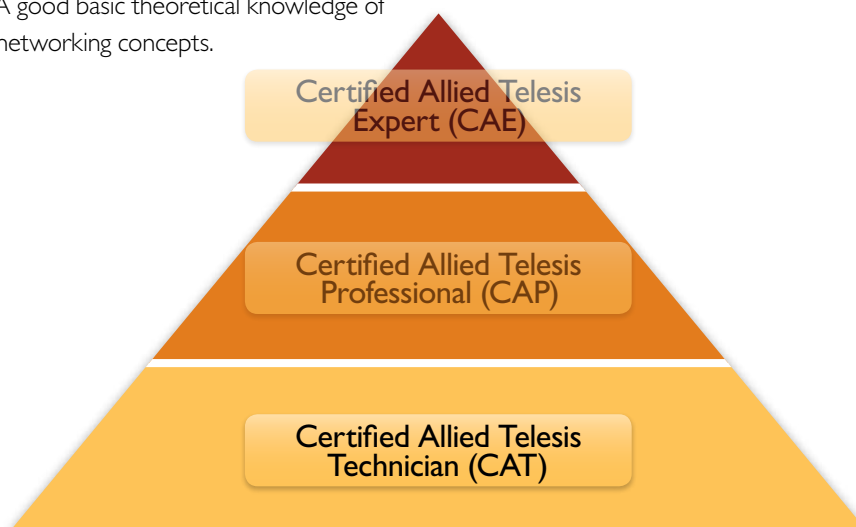
## Objectives

After completion of the course the course attendees will be able to:

- » Describe the differences between Layer 2 and Layer 3 switches.
- » Understand how networks are architecturally split into the edge and the core sections.
- » Identify the key criteria for deploying Layer 2 or Layer 3 switches in a basic network design.
- » Understand the operation and utilization of VLANs on all the important Allied Telesis edge switches.
- » Understand the concepts and implementation of the different Spanning Tree Protocol implements available, and how they can improve network stability.
- » Understand and use the different configuration methods available for Allied Telesis edge switches, using both the CLI and GUI.

## Key Products

8000S Series, 8000GS Series, x600 Series.



## Course Outline

### Hardware Overview

Where the relevant course products, fit into the Allied Telesis product portfolio.

### Basic Switch Operations

Configuring basic switch operations using both the CLI and GUI. This includes access levels, basic commands, and initial management.

### Switching Concepts

Switching concepts such as forwarding databases, port security, and Layer 2 filtering.

### Virtual LANs (VLAN)

VLAN theory and configuration is discussed including VLAN trunks and private VLANs.

### Spanning Tree Protocol (STP)

The different implementations of Spanning Tree Protocol including STP and RSTP, and how to configure them.

### Link Aggregation

Configuring both static and LACP-based port aggregation.

### Layer 3 Overview

An overview of TCP/IP and how to configure static routing.

### Stacking

Edge switch stacking concepts and configuration.

### Power over Ethernet (PoE)

Power over Ethernet configuration.

### Internet Utilities

Configuring the switch to participate in NTP, DNS, and DHCP environments.

### Troubleshooting Basics

Troubleshooting and diagnostic concepts such as debugging, event logging, and using SNMP.