

🍏 Training and Certification

AATC Facility Requirements Apple Authorized Training Center Program



AATC Facility Requirements

The venue's ability to reflect the core Apple values of ease of use, innovation, integration and value will help support the messages delivered during the training sessions and assure a holistic Apple experience.

The Apple brand is synonymous with clean and minimal design, as evidenced across the product lines and throughout Apple retail stores. AATCs should be an extension of this identity.

AATCs should be easily accessible by road and public transportation, have ample parking at the venue or nearby, and must be handicapped accessible according to ADA standards. There should be clear signage and ample lighting so that attendees can easily locate the building. An AATC must be a permanent location that is staffed during normal business hours.

This document provides the standard classroom requirements for hosting Apple Training & Certification courses. The AATC is responsible for:

- Providing all hardware and software described in this document
- Providing room, network, and projection system setup and support
- Installing the software and course materials before the first day of class.

All Apple Certification courses must be offered in the AATC's owned or leased training facility, or in a customer's location.

Classroom

Please allow 24 hours before the start of class for setting up, configuring, connecting, and testing the classroom equipment. Apple Certified Trainers (ACTs) will need after-hours or weekend access throughout the training event.

A workspace must be provided for the instructor and for each student in the class. The instructor's workspace should be located at the front of the classroom.

- Power outlets need to be provided for all computers, monitors, and peripheral devices used in the class, and should provide approximately 5 amps of power for each device.
- A wall-mounted or freestanding whiteboard (with dry-erase markers and erasers) should be located at the front of the classroom.
- Minimum recommended classroom size is 30-feet by 30-feet for 16 students; 20-feet by 30-feet is recommended classroom size for 8 students.
- Armchairs are recommended for all students and the instructor. Padded seats are required.
- The projection screen at the front of the classroom should be at least seven (7) feet away from the nearest edge of the student tables.
- Lighting and temperature controls should be accessible by the instructor. Dimming capability is preferred.
- A Mac OS X-compatible non-PostScript USB printer (with appropriate interface cable) with 10 foot cord is required and should be easily accessible to the instructor.
- Phones and restrooms should be easily accessible.

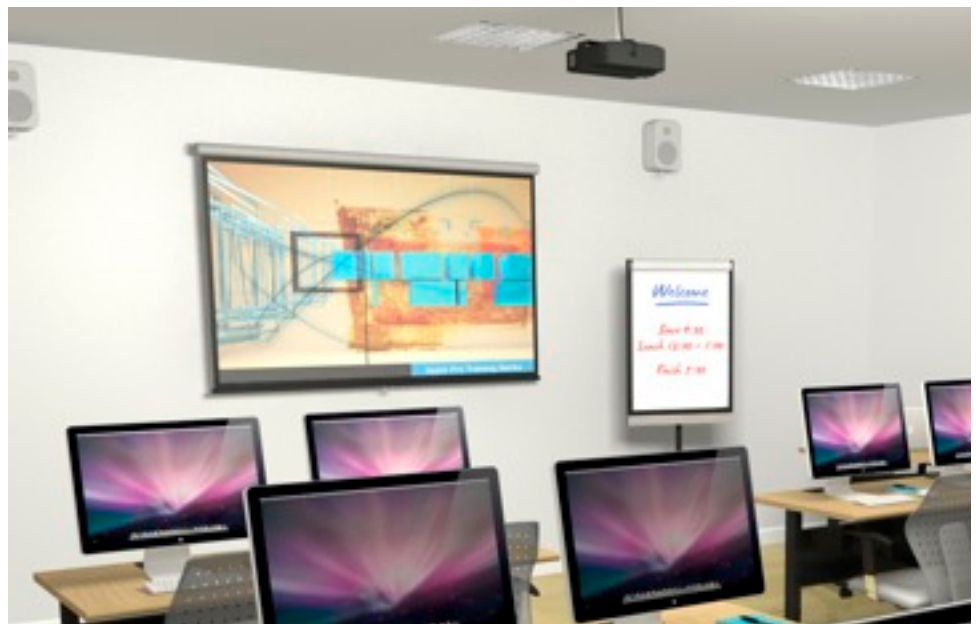
Network

- One Gigabit Ethernet switch with at least two ports more than twice the maximum number of students is required.
- Each student computer should be connected to the same Ethernet classroom network.
- All machines should be networked and have their connectivity tested prior to the first day of class
- Classroom network must be isolated from any other network.
- Internet access to classroom is required; recommend wireless access via Airport.

Projection System

The projection equipment must be on a sturdy table or stand, or ceiling-mounted. Access to a spare bulb or backup projector is recommended. Minimum requirements for the projection system are as follows:

- Resolution of 1024 x 768 pixels at 75 Hz
- Projection rating of at least 2000 lumens
- Projection screen at least 6 feet x 6 feet
- Switchbox (VGA or DVI as appropriate for your equipment):
- Switchbox capable of allowing projection from either Instructor System 1 or Instructor System 2 (IT only)
- Cabling to simultaneously connect two computers to the switchbox (IT only)
- Appropriate cables to connect the switchbox to the projection system
- Spare projector bulbs



An ideal AATC environment creates an exciting and engaging experience for all students which is unmistakably Apple.

Student Station Requirements

- One dedicated student workspace must be provided for each student in the class. Software installations need to be identical for all student workspaces. All student computer systems will have the hard drives erased as part of the course.
- The recommended size for student work surfaces is a minimum of 40 inches wide by 30 inches deep to accommodate two student systems; 48 inches wide by 30 inches deep is preferred.
- One Macintosh computer with the latest version of the software required to teach the course. The computer must be fully supported for the application or technology being taught, in accordance with the Technical Specifications found on www.apple.com/mac. Click on the product family, then “Tech Specs” to see the specifications.
- Minimum of Mac OS X v10.5.6 or later installed (use the Erase install option; do not customize the installation)
- One display with minimum resolution of 1024 x 768 pixels, 16-bit resolution.
- Appropriate disk space to install all applications and any optional templates, content, tutorials and media. Disk space varies depending on the application. See the Tech Specs for details. Recommended: 70 GB
- Each student will need a computer with internet access to take the associated Certification exam.
- Trainers and/or admin staff will need the OS Installation discs that were shipped with the computers.



Apple is renowned for clean, simple and effective design and any spaces used with the training venue should reflect this.

Pro Apps Only

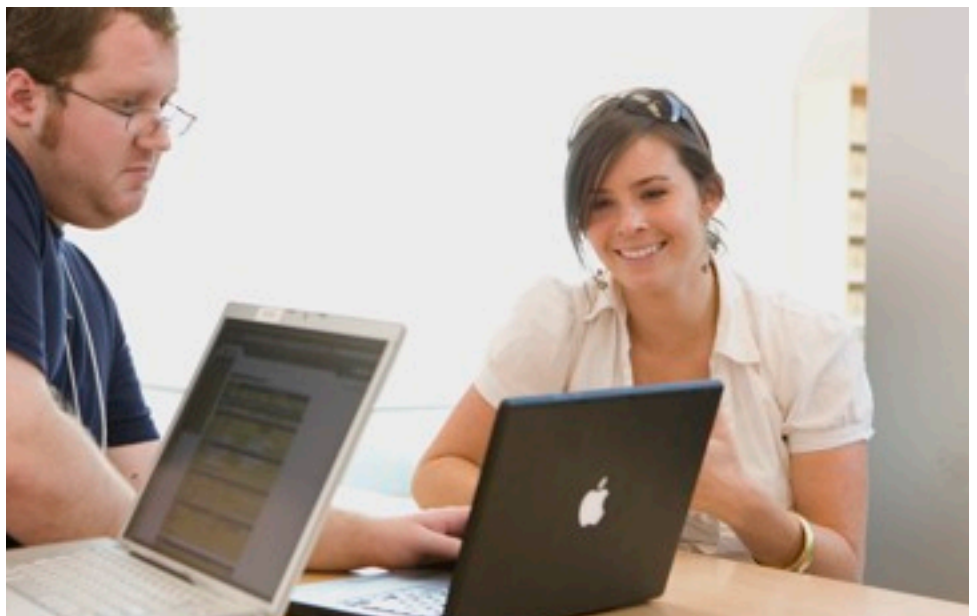
- Standard headphones
- Quicktime 7.6 or later
- ATI or NVIDIA graphics processor
- All computers must have an Intel processor

To ensure maximum compatibility between the hardware and the software in the classroom, we encourage you to discuss the specifics with your ACT or tech support staff. If the minimum requirements outlined in this document are not met, students will be unable to meet course objectives.

Instructor Station Requirements

The instructor system must meet all the same requirements as the Student systems then add the following additions:

- A Mac OS X-compatible inkjet or laser printer with appropriate interface cable
- Video output for connection to projector
- Speakers
- iWork/Keynote
- The instructor's table should be a minimum of 48 inches wide by 30 inches deep, and located at the front of the classroom.
- Instructor must have internet access.



Additional Requirements for Specific Courses

Many Apple Certification courses require additional equipment.

DVD SP 101

- For writing finished projects to disc: an Apple SuperDrive or other DVD recorder

Color 101

- Student displays with 1680-by-1050 resolution or higher; dual displays are highly recommended.
- For rendering of 4K files and DPX: a graphics card with at least 512MB of VRAM
- For 32-bit rendering: a graphics card with at least 256MB of VRAM
- A three-button mouse for full functionality

Logic Pro

- Low-latency multi-I/O audio hardware and MIDI interface recommended
- For 5.1 surround monitoring of multichannel audio content: an audio interface with a minimum of six outputs
- For multitrack recording: an audio interface with multiple inputs

Final Cut Server 100, 101

- Two CPUs per student
- An external USB or FireWire Drive with at least 500MB of disk space

Leopard 100

- One additional CPU for the Instructor

Leopard 101, 401

- Two CPUs per student

- One Airport Base station
- One Airport Card

Leopard 201, 302

- Two CPUs per student

Leopard 301

- Two CPUs per student
- One Windows CPU for instructor

Xsan 301, 410

Student Xsan Pod

From one to four Xsan client computers (one per student)

- Mac server or desktop computer with an Intel or PowerPC G5 processor (Mac Pro recommended)
- At least 1 GB of physical RAM
- One Apple Fibre Channel card (PCI-X or PCI-Express)

Two (2) Xsan metadata controllers

Important: Some exercises will not work with Mac Pro or PowerMac G5 metadata controllers because they lack the hardware sensors that are present on the Xserves.

Each metadata controller should consist of the following:

- Mac server or desktop computer with an Intel or PowerPC G5 processor (Intel Xserve recommended)
- Mac OS X Server v10.5.5 installed (erase install-unconfigured)
- Xsan 2 software installer (v2.1.1)
- At least 2 GB of physical RAM
- 20 GB of available disk space
- One Apple Fibre Channel card (PCI-X or PCI-Express)
- Two 1000 Mbps Ethernet ports per metadata controller

Additional equipment needed per Xsan pod:

- One (1) RAID storage device consisting of either:
 - Promise VTrak E-Class 16x (SAS or SATA) with latest firmware
 - Apple Xserve RAID, with firmware version 1.5/1.50f and 14 drives
- One (1) Qlogic Fibre Channel SAN Switch with a minimum of 8 active ports (10 ports for optional challenge)
- One (1) 8-port 100 Mbps (GigE recommended) Ethernet switch, separate from the classroom network
- Seven (7) Ethernet cables to connect the machines to the SAN's metadata ethernet network.
- Ten (10) Ethernet cables to connect the machines to the classroom network
- Ten (10) Fibre Channel cables to connect the machines to the Fibre Channel data network

Classroom Layout Examples



12 person "U" setup



12 person "Classroom" setup