

# You already own the best Audio Test Equipment in the world. Let us teach you to really make it fly.



## Earn Your Wings in the Audio Precision Certified User Training Program.

If you are like most of our users,  
you're busy.

You're swamped. Snowed.

You know that your Audio Precision instrument has a lot more power than you use, but who has the time to experiment with every feature or search for every nuance?

Well, *we* do. We *make* the time.

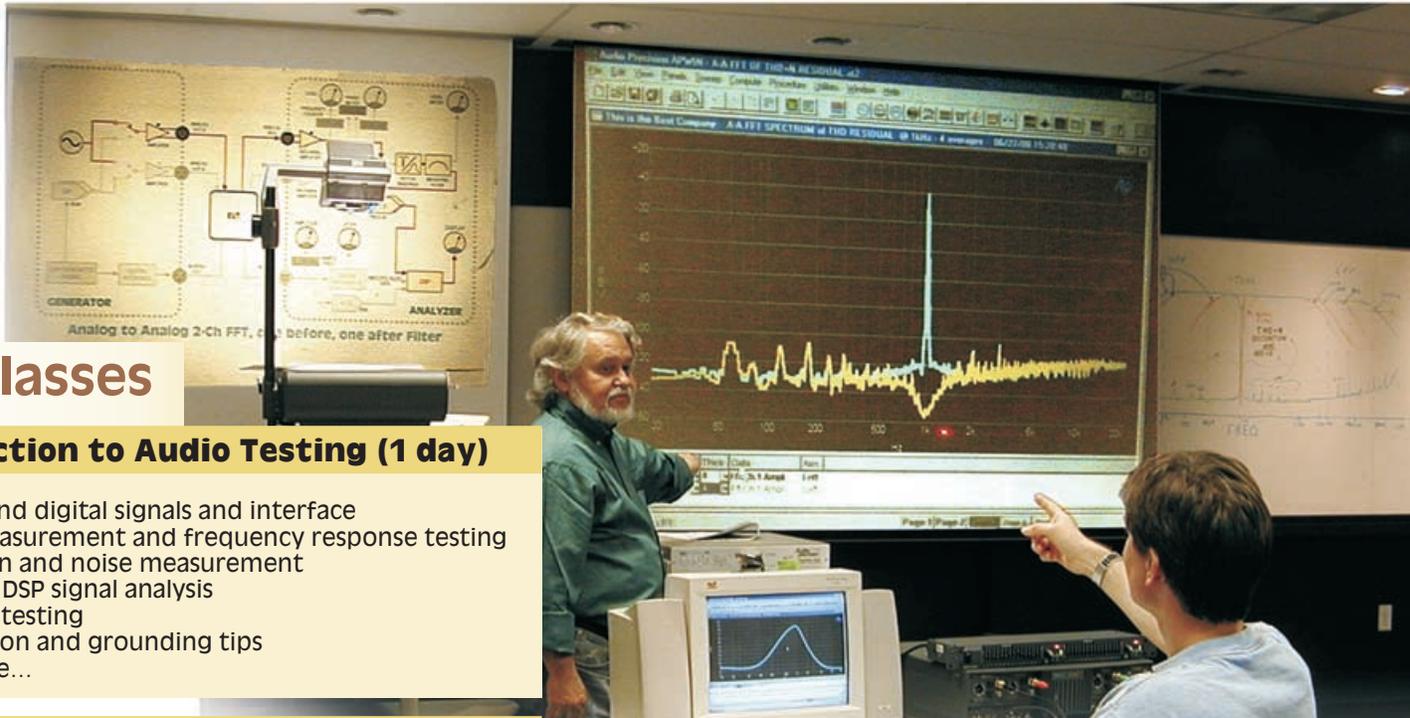
We can teach you to how to soar beyond the basics.



Come join us for a track of classes in the **Audio Precision Certified User Training Program**. You will:

- ◆ Review audio test and measurement theory.
- ◆ Examine both analog and digital audio signal characteristics.
- ◆ Explore the APWIN software control panels in detail.
- ◆ Create, modify, load and save your setup and test parameters as APWIN test files.
- ◆ Master advanced techniques like Multitone and FFT analysis.
- ◆ Learn to automate your tests by writing scripts as APWIN Basic procedures.

# The Audio Precision Certified User Training Program...



## The Classes

### Introduction to Audio Testing (1 day)

- ◆ Analog and digital signals and interface
- ◆ Level measurement and frequency response testing
- ◆ Distortion and noise measurement
- ◆ FFTs and DSP signal analysis
- ◆ Acoustic testing
- ◆ Connection and grounding tips and more...

### APWIN for System Two (2 days)

- ◆ Review of hardware and software
- ◆ Analog, digital and dual domain measurements
- ◆ Using sweeps, creating limits, tables, EQ curves
- ◆ FFT and waveform displays
- ◆ Testing the digital interface with INTERVU and BITTEST
- ◆ Acoustic testing with MLS and more...



### Portable One/ATS-1 (2 days)

- ◆ Navigating the Portable One and ATS-1 panels
- ◆ Connecting your Portable One and ATS-1 in any environment
- ◆ Analog, digital and dual domain measurements
- ◆ The digital interface: AES3 standard, SPDIF, jitter testing
- ◆ Discover often-overlooked Portable One features
- ◆ Using the GPIB option and more...



### APWIN for System One (2 days)

- ◆ Review of hardware and software
- ◆ Analog, digital and dual domain measurements
- ◆ Two-channel ratio, crosstalk
- ◆ Using sweeps, creating limits, tables, EQ curves
- ◆ DSP Programs: FFT, FASTTEST, MLS and more...



### Workshop: Advanced APWIN Basic Applications (3 days)

- ◆ Develop complex procedures with sophisticated User Interfaces
- ◆ Learn proper program structure
- ◆ Work with arrays
- ◆ Learn error handling, signal presence checks, data logging and text file creation.
- ◆ Use library Subs and Functions
- ◆ Control APWIN from MS Visual Basic
- ◆ Work with OLE using MS Word and Excel and more...



### Introduction to APWIN Basic (1 day)

- ◆ Writing scripts using LEARN MODE
- ◆ Working with both the programmer's and the user's interface
- ◆ Practicing Debugging
- ◆ Using Error Detection
- ◆ Generating Reports
- ◆ Decreasing test time and more...



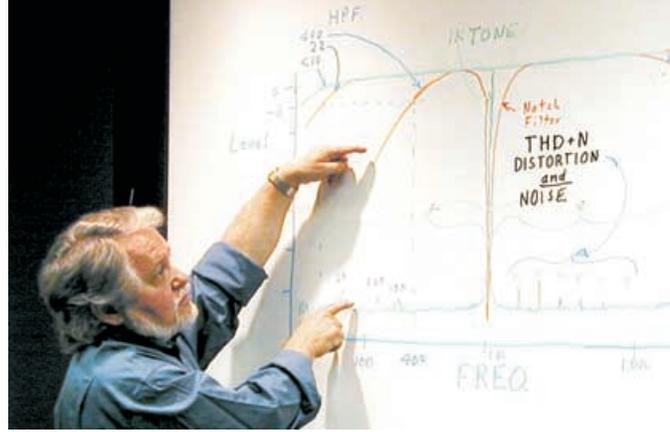
...World Class Training



on World Class Equipment

# The Instructors

AP Training instructors are selected from our Customer Support Engineers, the same folks who answer your questions and guide you through those complicated procedures over the phone. These engineers are among the best in the world at what they do. They represent a diverse technical background, with expertise in broadcast, music recording, telecommunications, computer sound, and acoustic measurement.



# The Tracks

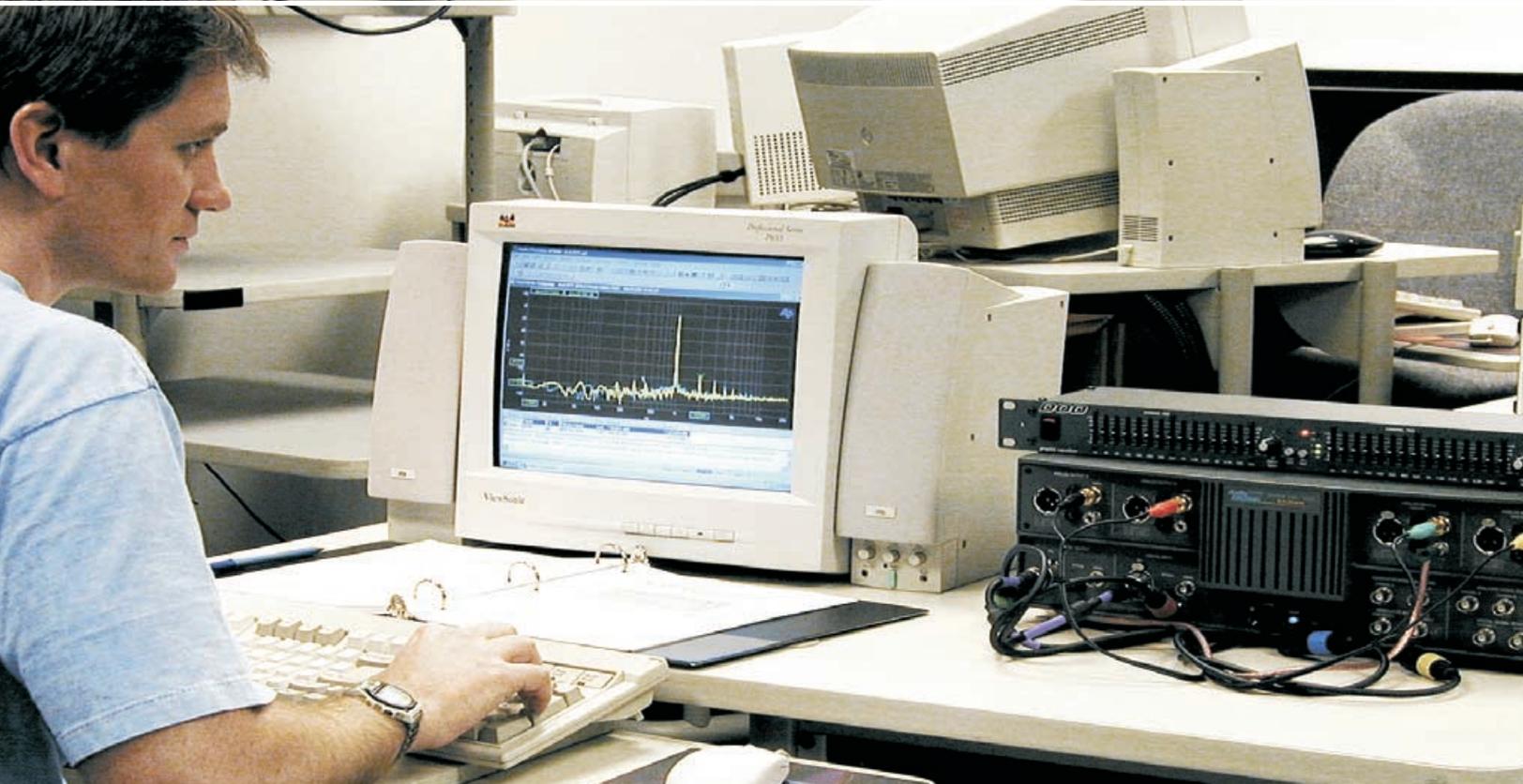
The training sessions are organized in "tracks" which group a sequence of classes within a single week. The chart shows the tracks that are currently available.

Future training classes and tracks are in the works, and we hope to include topics of strong interest to our users, such as digital converter measurement techniques and PC audio device testing.

No matter which track of classes you choose, you will have a wide selection of equipment to work with in our world-class training facility. Standard DUTs (Devices Under Test) include DAT recorders, graphic equalizers, A-to-D and D-to-A converters; also available are loudspeakers, microphones, reel-to-reel and cassette analog tape recorders, amplifiers, compressors, low-bit-rate codecs and more.

To register for a class or just to find out more about the Audio Precision Certified User Training Program, visit our Web site at [audioprecision.com](http://audioprecision.com). You'll find current schedules and fees, detailed accommodation information, area maps and so on. Or, call us at 800-231-7350. We can help you decide which class is right for you, help you with scheduling and answer any other questions you may have.

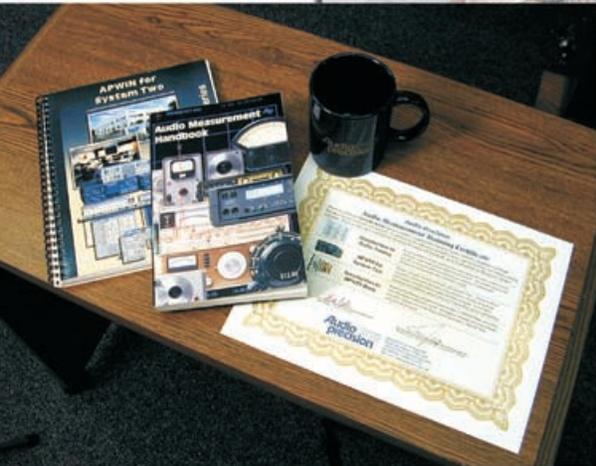
	Monday	Tuesday	Wednesday	Thursday	Friday
<b>Track One</b>	Introduction to Audio Test and Measurement (A)	APWIN for System Two (two consecutive days)		Introduction to APWIN Basic (A)	
<b>Track Two</b>	Introduction to Audio Test and Measurement (A)	APWIN for System One (two consecutive days)		Introduction to APWIN Basic (A)	
<b>Track Three</b>	Introduction to Audio Test and Measurement (A)	Portable One / ATS-1 (two consecutive days)			
<b>Track Four</b>	Introduction to Audio Test and Measurement (B)	Introduction to APWIN Basic (B)	Workshop: APWIN Basic Applications (three consecutive days)		



While you're here you can tour the plant and meet the people who make Audio Precision instruments.



Enjoy lunch on us each day of training, swapping stories at a roundtable with AP support and design engineers.



You'll return home with a new understanding of your Audio Precision instrument and how best to use it in your work. Of course, you get to keep all your class training manuals and workbooks. You'll also walk away with an *Audio Precision Certified User Training Certificate*, an AP coffee cup and your own copy of the *Audio Measurement Handbook*.

Who could ask for more?

Plan to relax a bit between lessons, or maybe even stay an extra day. The Pacific Northwest is renowned for recreation, with forests, deserts, lakes and rivers waiting for you to explore.

Audio Precision is located an hour east of the Oregon Coast and an hour west of year-round skiing on Mount Hood. Mount St. Helens is a day trip. Some of the finest vineyards this side of Bordeaux are just down the road.

And if you just want dinner, the waterfront, restaurants and nightlife of downtown Portland are only 15 minutes away.

See our Web site at [audioprecision.com](http://audioprecision.com) for links to local area information.



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