

3 BACKTHIRDAUDIO

Sound Foundations I: Stage Sound – Expected Course Outline

- **Day One: Signal Path, Gain Stages, Elements of a PA**
 - Signal path in the PA
 - Gain Stages
 - Mic, line and speaker level
 - Connector types
 - How does each item in the chain color sound?
 - Signal path problems and how to avoid them
 - Pops
 - Clipping
 - Feedback
- **Day Two: The Mixer, Setup/Teardown**
 - Signal path in the mixer
 - Setting up and powering up
 - Key setup decisions
 - Crosstalk and cable handling
 - Powering down and tearing down
- **Day Three: Mixing**
 - Elements in a mix
 - EQ principles and guidelines
 - Reverb/FX
 - Compression
 - Stereo
 - Mix philosophy
- **Day Four: The Stage and Troubleshooting**
 - Signal-to-noise ratio
 - Ground loops and mains hum
 - Microphones – types, choice, placement
 - DIs and line-level gear
 - Monitors
 - Room acoustics and setup (master EQ)
 - Basic problems and answers
 - Troubleshooting clinic

Registration is \$235 for the four-week course. For upcoming class dates, contact Backthird Audio at 630-264-2366.