



AUDIO STUDIO COURSE TRACK

RECOMMENDED CLASSES



- ❑ ***General Orientation for the Melrose Center**

This orientation is your key to accessing the creative and collaborative spaces in the Melrose Center. Get an overview of the Studios, Makerspace and Simulation Lab. Explore upcoming classes and workshops and learn about the best practices to maximize your experience. Online and in person options available.

- ❑ ***Audio Studio Orientation**

Tour the Audio Studio and explore the training options available. Learn about available resources for audio recording and production, including recording spaces, hardware, and software options. Online and in person options available.

- ❑ **Fundamentals of Sound for Audio Engineering**

Explore the fundamentals of sound theory. Discuss how the physics of sound affects recordings. Learn key digital audio concepts, including sample rate, bit depth and file types.

- ❑ **Audio Studio: Microphone Theory Level 1**

Capture the right sound. Discover how microphones work, the key differences between microphones, and how to set up and tear down microphones, stands and cables.

- ❑ **Audio Studio: Microphone Theory Level 2**

Choose the right mic. Hear how different microphones pick up and transmit sound. Discover how to use polar patterns, proximity effect and phase to get the best sound for your project. Learn how to use microphone specification sheets to help you isolate the features you want for your recording.

- ❑ **Pro Tools Level 1: Edit Window**

Take your first step into Pro Tools. Explore the environment of the most popular professional audio program and understand workflows that the pros use. Master setting up your session, use common editing tools and explore the edit window to begin working like a pro.

- ❑ **Pro Tools Level 2: Mix Window and MIDI**

Continue your learning with Pro Tools. Explore the Mix Window and learn how to add audio effects to audio tracks. Dive in with recording and manipulating MIDI performances and create individual Artist Mixes to help in the recording process.

- ❑ **Audio Studio: Signal Routing Level 1**

Gear up in the Audio Studio. Use microphones, preamps, interfaces and control surfaces to route an audio signal into Pro Tools for recording and mixing.

- ❑ ***Access Assessment: Audio Studio**

Prior to booking a studio, users are required to successfully complete a brief studio-specific assessment. The assessment will cover basic studio workflows, including setting up microphones, signal routing, cue systems and setting up and saving a recording session using Pro Tools.

**Required Prerequisites: General Orientation for the Melrose Center and the Audio Studio Orientation*



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ADDITIONAL CLASSES



❑ **Audio Open Lab**

Log practice time with a DAW software in the Audio Learning Lab with Melrose Audio Instructors on hand to answer your questions. Patrons must bring a project to attend.

❑ **Advanced Pro Tools Part 1**

Group tracks for faster editing and mixing. Organize your session with folders for enhanced workflow management and master the art of using playlists for seamless comping and editing of multiple takes.

❑ **Audio Studio: Microphone Theory Level 3**

Record in stereo sound. Discover how to set-up microphones for a variety of stereo recording techniques and explore the pros and cons of each technique.

❑ **Programming Drums with Superior Drummer**

Dive into the art of precision and rhythm, honing your skills to being crafting dynamic, professional-level drums tracks using Toontrack's Superior Drummer 3.

❑ **Audio Recording Techniques: Acoustic Guitar**

Identify the parts of the acoustic guitar, while troubleshooting issues with equipment. Discover how to record acoustic guitar in mono, stereo, and DI.

❑ **Audio Recording Techniques: Electric Guitar**

Identify the parts of the electric guitar, while troubleshooting issues with amplifiers. Discover how to record an electric guitar using amp simulators, solid-state and tube amps, and DI.

❑ **Audio Recording Techniques: Piano**

Understand the inner workings of the piano and isolate the best sound with miking techniques to capture the perfect piano recording.

❑ **Audio Recording Techniques: Drums**

Identify the parts of the drum kit while troubleshooting issues with microphones and placement. Learn popular techniques for achieving a great drum sound.

❑ **From Sample to Performance with Ableton Live**

Turn your ideas into reality with Ableton Live. Ableton is made for music creation and performance with fast, fluid, and flexible options.

❑ **Logic Pro Level 1 - Fundamentals**

Harness the power of Logic Pro X to create amazing music. Explore the interface and begin working with key preferences and controls in this popular DAW.

❑ **Logic Pro X Level 2 – Patches and the Channel Strip**

Understand the routing and creation of patches, which is a crucial element while building your own instruments and sounds.

❑ **Synthesizer Fundamentals**

Synthesize your sound. Use source, modifier, and controller modules to create and manipulate audio.

COMING SOON

❑ **Advanced Pro Tools Part 2**

Learn to seamlessly blend audio with expertly executed fades and dive into the intricacies of nudging and utilizing memories/locations to streamline your workflow.

❑ **Advanced Pro Tools Part 3**

Discover Clip Gain and elevate your productions with Clip FX and explore effects to enhance your audio clips. Delve into the process of consolidating audio clips for efficient project management and preparing tracks for professional mixing.

❑ **Advanced Pro Tools Part 4**

Master Automation to sculpt your mix and achieve professional-grade dynamics and movement. Explore the power of Strip Silence and Track Freeze to effortlessly cleaning up audio and optimizing system resources for seamless production.