



Course Description

MUM2670 | Avid Pro Tools 101/110 Fundamentals | 3.00 credits

This course provides an in-depth introduction to Avid's Pro Tools, the industry-standard software for digital audio production. Aimed at beginners and intermediate users, the course covers the essential features and functionalities of Pro Tools, enabling students to create, edit, and produce professional-quality audio projects. Upon completion of the course, students are eligible to take the Pro Tools 101 and Pro Tools 110 exams to earn the Pro Tools Specialist certification. Prerequisite: MUM2600 and MUM2600L, or RTV1240C.

Course Competencies:

Competency 1: The student will demonstrate understanding of session setup and management by:

1. Creating and configuring new sessions
2. Managing session files and folders
3. Importing and exporting session data
4. Explaining file management and archiving

Competency 2: The student will demonstrate understanding of the Pro Tools Interface by:

1. Navigating the Edit and Mix windows
2. Explaining menus, toolbars, and track controls

Competency 3: The student will demonstrate understanding of track management by:

1. Creating and configuring audio, MIDI, instrument, and auxiliary tracks
2. Describing track types and their uses
3. Organizing and grouping tracks

Competency 4: The student will demonstrate understanding of recording audio and MIDI by:

1. Configuring audio, MIDI, and instrument tracks
2. Demonstrating signal flow and gain staging
3. Recording audio and MIDI performances

Competency 5: The student will demonstrate understanding of basic editing techniques by:

1. Using Zoom, Trim, Select, Grabber, Draw, and Smart Tools for editing
2. Demonstrating the use of basic editing modes (Shuffle, Slip, Spot, Grid)
3. Performing cuts, copies, pastes, and fades

Competency 6: The student will demonstrate understanding of advanced editing techniques by:

1. Using Elastic Audio for time-stretching and pitch-shifting
2. Entering and editing automation techniques
3. Compiling and managing playlists
4. Implementing destructive and non-destructive workflows

Competency 7: The students will demonstrate understanding of mixing and effects processing by:

1. Using inserts and sends to route signals
2. Applying EQ, compression, reverb, and other effects
3. Creating a Master Fader track
4. Setting relative levels and panning on individual tracks

Competency 8: The student will demonstrate understanding of MIDI and Virtual Instruments by:

1. Describing the MIDI protocol and controllers
2. Using virtual instruments within Pro Tools

3. Editing MIDI data and applying quantization

Competency 9: The student will demonstrate understanding of advanced session management by:

1. Using templates for efficient workflow
2. Performing session backups and restoration
3. Explaining sample rates, bit depths, and file formats

Competency 10: The student will demonstrate understanding of post-production techniques by:

1. Working with video in Pro Tools
2. Dialogue editing and ADR (Automated Dialogue Replacement)

Competency 11: The students will demonstrate understanding, mastery, and final output by:

1. Performing a Bounce Mix to create a stereo mix file
2. Explaining dithering and sample rate conversion
3. Exporting final mixes and stems

Competency 12: The student will demonstrate understanding of troubleshooting and optimization practices by:

1. Identifying and solving common issues
2. Optimizing Pro Tools performance
3. Listing system requirements and compatibility

Learning Outcomes:

- Solve problems using critical and creative thinking and scientific reasoning
- Use computer and emerging technologies effectively
- Demonstrate an appreciation for aesthetics and creative activities