



Accredited Africa Training Institute for Capacity Development

Unit FO409, Hatfield Plaza · 1122 Burnett St, Hatfield 0028 · Pretoria, Gauteng · South Africa

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COURSE BROCHURE

Sound Mixing In A Monitored Studio Environment Training

Culture and Arts / Music

Unit Standard 114525 · NQF Level 5 · 12 Credits · 9 Days

COURSE OVERVIEW

This course equips learners with the practical skills and theoretical knowledge required to mix sound effectively in a monitored studio environment. Participants will learn to use industry-standard mixing consoles, digital audio workstations, and monitoring systems to achieve professional-grade audio outputs for music, film, and broadcast applications.

Category	Culture and Arts
Subfield	Music
Unit Standard	114525
Accreditation	SAQA Accredited · NQF Level 5 · 12 Credits
Duration	9 days
Training Method	Online, On-Campus, In-House
Certificate	Issued via AATICD LMS – verifiable online

LEARNING OUTCOMES

- Apply signal flow principles to route audio through a mixing console and external processors.
- Analyze the acoustic characteristics of a monitored studio environment to optimize monitoring placement and calibration.
- Demonstrate the use of equalization, dynamics processing, and effects to shape and balance a mix.
- Evaluate mix balance, stereo imaging, and frequency distribution using critical listening techniques.
- Implement automation and recall functions within a digital audio workstation to enhance mixing efficiency.
- Design a complete stereo mix that meets industry standards for clarity, dynamic range, and sonic consistency.

WHO SHOULD ATTEND

- This course is designed for audio engineers, sound technicians, music producers, and aspiring professionals who work or intend to work in recording studios, radio stations, television production, or live sound environments.

COURSE OUTLINE

Day 1: Introduction to Sound and Studio Setup

- Sound waves, frequency, amplitude, and phase
- Studio components: microphones, mixers, audio interfaces, monitors
- Signal flow and gain staging
- Studio ergonomics and safety
- Basic microphone placement techniques

Day 2: Monitoring Systems and Acoustic Principles

- Types of studio monitors and their frequency responses
- Room modes, reflections, and standing waves
- Monitor calibration and listening position
- Acoustic treatment: absorption, diffusion, bass traps
- Critical listening exercises with reference material

Day 3: Mixing Console Operation and Signal Routing

- Console layout: input channels, inserts, sends, returns
- Bus routing and subgrouping
- EQ fundamentals: parametric, graphic, shelving
- Dynamics: compressors, limiters, gates
- Aux sends for monitoring and effects

Day 4: Recording Techniques and Gain Staging

- Gain staging from preamp to DAW
- Microphone selection: dynamic, condenser, ribbon
- Stereo miking techniques: XY, ORTF, spaced pair
- Recording vocals, guitars, drums, and keyboards
- Phase alignment and latency compensation

Day 5: Mixing Fundamentals – Balance, Panning, and Levels

- Level balancing and fader techniques
- Panning laws and stereo field placement
- Frequency masking and corrective EQ
- Automation: volume, pan, and plugin parameters
- Metering: VU, peak, RMS, and LUFS

Day 6: Advanced EQ and Dynamics Processing

- Surgical vs. musical EQ cuts and boosts
- Compressor types: VCA, FET, optical, vari-mu
- Sidechain applications
- Multiband compression in mixing
- De-essing and dynamic EQ for vocals

Day 7: Effects Processing – Reverb, Delay, and Modulation

- Reverb parameters: decay, pre-delay, diffusion
- Delay types: ping-pong, multi-tap, filtered
- Modulation: chorus, flanger, phaser, tremolo
- Send/return vs. insert effects

- Creative automation of effects

Day 8: Mixing Projects – Genre-Specific Techniques

- Genre-specific EQ and compression approaches
- Mixing drums: kick, snare, overheads, room
- Bass and low-end management
- Vocal chain: EQ, compression, reverb, delay
- Final mix bus processing and printing

Day 9: Final Mix Review, Mastering Basics, and Career Pathways

- Mix critique session with peer and instructor feedback
- Mastering fundamentals: loudness, stereo enhancement, dithering
- File formats: WAV, AIFF, MP3; sample rates and bit depth
- Industry standards for broadcast, streaming, and CD
- Certification pathways and professional networking

ASSESSMENT & CERTIFICATION

Delegates are assessed through exercises and a final test. A mark of **50% or above** earns an **AATICD Certificate of Completion**, issued digitally with a unique verification code. This course carries **12 NQF credits** at **NQF Level 5**.

PRICING (PER DELEGATE, EX-VAT)

Delegates	Training Method	Price per Delegate	Total
1	Online	R 35,000.00	R 35,000.00
1	In-House	R 45,500.00	R 45,500.00
1	On-Campus (Pretoria)	R 52,500.00	R 52,500.00

UPCOMING SESSIONS

Start	End	Method	Venue
07 Aug 2026	19 Aug 2026	On-Campus	Pretoria, South Africa
07 Aug 2026	19 Aug 2026	On-Campus	Lagos, Nigeria
10 Aug 2026	20 Aug 2026	On-Campus	Durban, South Africa
10 Aug 2026	20 Aug 2026	On-Campus	Mauritius
11 Aug 2026	21 Aug 2026	On-Campus	Cape Town, South Africa
12 Aug 2026	24 Aug 2026	On-Campus	Dubai, UAE
13 Aug 2026	25 Aug 2026	On-Campus	Pretoria, South Africa
14 Aug 2026	26 Aug 2026	On-Campus	Abu Dhabi, UAE

Contact us if no suitable date is listed – on-demand sessions can be arranged for groups.

HOW TO GET A QUOTE OR APPLY

1. **Get an instant quotation online:** visit www.aaticd.co.za, open the page for this course (Unit Standard 114525) and click **Get A Quote / Apply**. Select your training method and number of delegates – your quotation is generated immediately and emailed to you with the course brochure attached.
2. **Apply by email:** send the course title, your preferred training method (Online, In-House or On-Campus Pretoria), the number of delegates and your preferred dates to apply@aaticd.co.za – our team will reply with a formal quotation.
3. **Apply by phone or WhatsApp:** call **+27 12 004 8389** or WhatsApp **+27 65 077 6310** and we will prepare your quotation and reserve your seats.
4. **Confirm your booking:** accept the quotation and settle the invoice. As soon as payment is confirmed your delegates are enrolled and receive their AATICD LMS login details by email, along with joining instructions for their chosen training method.

Group discounts apply automatically – the more delegates you enrol, the lower the price per delegate. No payment is required to request a quotation.

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