



Accredited Africa Training Institute for Capacity Development

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

Tel: +27 12 004 8389 · Mobile: +27 65 077 6310

Email: apply@aaticd.co.za · Website: www.aaticd.co.za

COURSE BROCHURE

Delay Effects For Audio Production Echo And Repeats Training

Culture and Arts / Music

Unit Standard 114535 · NQF Level 4 · 7 Credits · 4 Days

COURSE OVERVIEW

This course equips audio production professionals with the skills to apply delay effects, including echo and repeats, in digital audio workstations. Learners will understand the technical parameters of delay effects and how to creatively use them to enhance audio productions. The training focuses on practical application within the South African media and entertainment industry.

Category	Culture and Arts
Subfield	Music
Unit Standard	114535
Accreditation	SAQA Accredited · NQF Level 4 · 7 Credits
Duration	4 days
Training Method	Online, On-Campus, In-House
Certificate	Issued via AATICD LMS – verifiable online

LEARNING OUTCOMES

- Apply delay effects to audio tracks, adjusting parameters such as time, feedback, and mix levels.
- Analyze the impact of different delay types (e.g., slapback, ping-pong, multi-tap) on audio texture and rhythm.
- Evaluate the appropriate use of delay effects in various musical genres and audio contexts.
- Design delay-based soundscapes and rhythmic patterns for creative audio production.
- Implement synchronization techniques to align delay effects with tempo and time signatures.
- Demonstrate troubleshooting skills to resolve common issues such as phase cancellation and feedback loops.

WHO SHOULD ATTEND

- This course is designed for audio engineers, music producers, sound designers, and multimedia content creators who work with digital audio production tools.

COURSE OUTLINE

Day 1: Fundamentals of Delay Effects and Acoustic Principles

- Introduction to delay effects: definition and history.
- Sound wave behaviour: reflection, echo, and reverberation.
- Key parameters: delay time, feedback, and mix.
- Types of delay: slapback, ping-pong, and multi-tap.
- Practical demonstration: creating a simple echo effect.
- Listening exercise: identifying delay in popular music.

Day 2: Synchronisation and Rhythmic Applications of Delay

- Tempo-based delay calculation: note values and milliseconds.
- Rhythmic delay patterns: dotted eighths, triplets, and more.
- Creative uses: delay throws, repeats, and rhythmic stutters.
- Automation of delay parameters for dynamic effects.
- Practical exercise: applying delay to a drum loop.
- Group critique: analysing rhythmic delay in various genres.

Day 3: Advanced Delay Techniques and Signal Processing

- Modulated delay: chorus, flanger, and phaser effects.
- Filtered delay: high-pass and low-pass filtering.
- Stereo delay techniques: widening and panning.
- Parallel delay processing: wet/dry mixing and aux sends.
- Feedback loops and self-oscillation control.
- Problem-solving: avoiding muddiness and phase issues.
- Practical exercise: creating a dub-style echo effect.

Day 4: Integration, Mixing, and Final Project

- Delay in vocal production: doubling, slapback, and space.
- Delay for instruments: guitars, synths, and percussion.
- Ambience and soundscape creation with long delays.
- Mixing with delay: balancing wet/dry and frequency masking.
- Final project: produce a short mix incorporating multiple delay techniques.
- Peer review and feedback session.
- Course wrap-up and additional resources.

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 **7 NQF credits** at **NQF Level 4**.

PRICING (PER DELEGATE, EX-VAT)

Delegates	Training Method	Price per Delegate	Total
1	Online	R 20,500.00	R 20,500.00
1	In-House	R 26,600.00	R 26,600.00
1	On-Campus (Pretoria)	R 30,800.00	R 30,800.00

UPCOMING SESSIONS

Start	End	Method	Venue
11 Aug 2026	14 Aug 2026	On-Campus	Durban, South Africa
11 Aug 2026	14 Aug 2026	On-Campus	Abu Dhabi, UAE
11 Aug 2026	14 Aug 2026	On-Campus	Pretoria, South Africa
11 Aug 2026	14 Aug 2026	On-Campus	Dubai, UAE
11 Aug 2026	14 Aug 2026	On-Campus	Cape Town, South Africa
11 Aug 2026	14 Aug 2026	On-Campus	Mauritius
17 Aug 2026	20 Aug 2026	On-Campus	Dubai, UAE
17 Aug 2026	20 Aug 2026	On-Campus	Pretoria, South Africa

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 114535) 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.

Accredited Africa Training Institute for Capacity Development

Unit FO409, Hatfield Plaza, 1122 Burnett St, Hatfield 0028, Pretoria, Gauteng, South Africa
Tel: +27 12 004 8389 · WhatsApp: +27 65 077 6310 · apply@aaticd.co.za · www.aaticd.co.za