



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

Professional Sound Recording And Audio Production Training

Culture and Arts / Music

Unit Standard 114527 · NQF Level 5 · 15 Credits · 12 Days

COURSE OVERVIEW

This course equips learners with the theoretical knowledge and practical skills required to professionally record, edit, mix, and master audio for various media applications. It covers studio setup, microphone techniques, digital audio workstations, signal flow, and sound design, enabling learners to produce high-quality audio content for music, film, broadcasting, and multimedia.

Category	Culture and Arts
Subfield	Music
Unit Standard	114527
Accreditation	SAQA Accredited · NQF Level 5 · 15 Credits
Duration	12 days
Training Method	Online, On-Campus, In-House
Certificate	Issued via AATICD LMS – verifiable online

LEARNING OUTCOMES

- Apply fundamental principles of acoustics and sound physics to optimize recording environments and microphone placement.
- Demonstrate proficiency in operating digital audio workstations (DAWs) for multi-track recording, editing, and mixing.
- Implement signal flow and routing techniques using analog and digital audio consoles and outboard gear.
- Analyze audio recordings for technical quality and apply corrective equalization, compression, and effects processing.
- Evaluate and select appropriate microphones, preamps, and recording formats for different sound sources and production contexts.
- Design and execute a complete audio production workflow from pre-production planning to final master delivery.

WHO SHOULD ATTEND

- This course is designed for aspiring sound engineers, music producers, broadcast technicians, multimedia content creators, and anyone seeking to build a career in professional audio production.
- It is also suitable for experienced professionals wanting to formalize their skills with SAQA-aligned training.

COURSE OUTLINE

Day 1: Introduction to Sound and Audio Fundamentals

- Properties of sound waves
- The decibel scale and metering
- Overview of audio signal flow
- Analogue vs. digital audio basics
- Introduction to microphone types and polar patterns
- Room acoustics and their impact on recording

Day 2: Microphone Techniques and Studio Setup

- Dynamic, condenser, and ribbon microphones
- Stereo microphone techniques (XY, ORTF, MS)
- Microphone placement for vocals and instruments
- Studio monitor placement and calibration
- Gain staging best practices
- Cable management and connectivity

Day 3: Digital Audio Workstations (DAW) and Recording

- Overview of popular DAWs (Pro Tools, Logic, Ableton)
- Creating a new session and setting sample rate/bit depth
- Recording audio tracks: arming, monitoring, punching in
- Basic editing tools and techniques
- Using markers and playlists
- Importing and exporting audio files

Day 4: Signal Processing and Effects

- Equaliser types: parametric, graphic, shelving
- Compression: threshold, ratio, attack, release
- Limiting and maximising loudness
- Noise gates and expanders
- Reverb: room, hall, plate, convolution
- Delay and echo effects

Day 5: Mixing Fundamentals and Automation

- Mixing workflow and session organisation
- Level balancing and panning techniques
- Stereo imaging and width enhancement
- Volume and pan automation
- Subgroup busses and aux sends
- Master bus processing basics

Day 6: Advanced Mixing Techniques

- Parallel compression and New York style
- Sidechain compression for pumping effects
- Multiband compression for frequency-specific control
- Mid/side equalisation and processing
- Harmonic distortion and saturation

- Advanced reverb and delay sends

Day 7: Mastering Essentials

- Mastering chain: EQ, compression, limiting
- Loudness standards (LUFS, true peak)
- Stereo enhancement and width control
- Dithering and bit-depth conversion
- Reference tracks and A/B comparison
- Exporting final masters for different platforms

Day 8: Audio for Visual Media

- Timecode and synchronisation
- Dialogue editing and ADR
- Noise reduction tools (iZotope RX, etc.)
- Foley recording and editing
- Sound design for visual media
- Mixing for surround sound (5.1 basics)

Day 9: Music Production and MIDI

- MIDI basics: channels, messages, controllers
- Virtual instruments and samplers
- MIDI editing: quantise, swing, humanise
- Drum programming and beat making
- Audio-to-MIDI conversion
- Arranging a track: intro, verse, chorus, bridge

Day 10: Live Sound Reinforcement

- PA system components: speakers, amplifiers, consoles
- Gain structure for live sound
- Feedback control: EQ, placement, notch filtering
- Monitor mixing and in-ear monitors
- Live mixing techniques and console automation
- Safety and rigging basics

Day 11: Industry Practices and Business Skills

- Copyright law and intellectual property
- Music licensing: sync, mechanical, performance
- Building a demo reel and online presence
- Client communication and briefs
- Project management for audio projects
- Freelancing vs. studio employment

Day 12: Integrated Project and Final Assessment

- Project briefing and planning
- Recording session (live instruments or vocals)
- Editing, mixing, and mastering the project
- Group critique and peer review
- Final assessment and competency evaluation
- Certification process and next steps

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 **15 NQF credits** at **NQF Level 5**.

PRICING (PER DELEGATE, EX-VAT)

Delegates	Training Method	Price per Delegate	Total
1	Online	R 43,000.00	R 43,000.00
1	In-House	R 56,000.00	R 56,000.00
1	On-Campus (Pretoria)	R 64,600.00	R 64,600.00

UPCOMING SESSIONS

Start	End	Method	Venue
10 Aug 2026	25 Aug 2026	On-Campus	Abu Dhabi, UAE
11 Aug 2026	26 Aug 2026	On-Campus	Durban, South Africa
11 Aug 2026	26 Aug 2026	On-Campus	Mauritius
12 Aug 2026	27 Aug 2026	On-Campus	Cape Town, South Africa
13 Aug 2026	28 Aug 2026	On-Campus	Dubai, UAE
14 Aug 2026	31 Aug 2026	On-Campus	Pretoria, South Africa
17 Aug 2026	01 Sep 2026	On-Campus	Durban, South Africa
18 Aug 2026	02 Sep 2026	On-Campus	Shenzhen, China

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 114527) 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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