



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

Music Technology Application Skills

Culture and Arts / Music

Unit Standard 253335 · NQF Level 5 · 20 Credits · 17 Days

COURSE OVERVIEW

This course equips learners with the practical knowledge and skills to apply music technology effectively in various contexts, including recording, editing, and production. It covers the fundamental principles of sound, digital audio workstations, and music software, enabling learners to create and manipulate music content. The course is designed to meet the requirements of the SAQA unit standard 253335, ensuring a solid foundation in music technology application.

Category	Culture and Arts
Subfield	Music
Unit Standard	253335
Accreditation	SAQA Accredited · NQF Level 5 · 20 Credits
Duration	17 days
Training Method	Online, On-Campus, In-House
Certificate	Issued via AATICD LMS – verifiable online

LEARNING OUTCOMES

- Apply knowledge of sound principles and audio signal flow to set up and operate music technology equipment.
- Demonstrate proficiency in using digital audio workstations (DAWs) for recording, editing, and mixing audio.
- Analyze different music production techniques and select appropriate tools for specific creative outcomes.
- Evaluate the quality of audio recordings and apply corrective measures to achieve professional standards.
- Implement music technology solutions in live performance or studio settings, ensuring optimal sound quality.
- Design a simple music production project from concept to final output, applying learned skills and knowledge.

WHO SHOULD ATTEND

- This course is ideal for aspiring music producers, sound engineers, musicians, and anyone interested in using technology for music creation and production.
- It is also suitable for individuals seeking to formalize their skills in music technology for professional or personal development.

COURSE OUTLINE

Day 1: Introduction to Music Technology

- Overview of music technology fields: recording, production, live sound.
- Core components: microphones, mixers, audio interfaces, DAWs.
- Signal flow basics: input, processing, output.
- Introduction to MIDI and digital audio.

Day 2: Digital Audio Workstations (DAWs) – Setup and Navigation

- DAW types: Pro Tools, Ableton Live, Logic Pro.
- Interface layout: timeline, mixer, inspector.
- Audio preferences: buffer size, sample rate, driver setup.
- Track types: audio, MIDI, instrument, bus.

Day 3: Recording Audio – Microphones and Techniques

- Microphone types: dynamic, condenser, ribbon.
- Polar patterns: cardioid, omnidirectional, figure-8.
- Placement techniques: close miking, stereo miking.
- Gain staging and avoiding clipping.

Day 4: MIDI Sequencing and Virtual Instruments

- MIDI basics: channels, notes, controllers.
- MIDI controllers: keyboards, pads.
- Virtual instruments: synthesizers, samplers.
- MIDI editing tools: piano roll, event list.

Day 5: Audio Editing and Comping

- Editing tools: razor, trim, fade.
- Comping workflow: takes, playlists.
- Elastic audio and time-stretching.
- Pitch correction basics (Melodyne, Auto-Tune).

Day 6: Mixing Fundamentals – Levels and Panning

- Mixing console layout: faders, mute, solo.
- Level balancing: reference levels, headroom.
- Panning: stereo placement, LCR.
- Using VU meters and loudness meters.

Day 7: Equalisation (EQ) and Frequency Management

- EQ types: parametric, graphic, shelf.
- Frequency bands: low, mid, high.
- Cutting vs boosting: subtractive EQ.
- EQ in context: drums, vocals, instruments.

Day 8: Dynamics Processing – Compression and Limiting

- Compressor parameters: threshold, ratio, knee.
- Attack and release settings.
- Sidechain compression.
- Limiting: brickwall, ceiling.

Day 9: Time-Based Effects – Reverb and Delay

- Reverb types: hall, room, plate, spring.
- Reverb parameters: decay, pre-delay, diffusion.
- Delay types: ping-pong, slap, multi-tap.
- Using sends vs inserts.

Day 10: Modulation and Other Effects

- Modulation effects: chorus, flanger, phaser.
- Pitch modulation: vibrato, tremolo.
- Distortion types: overdrive, fuzz.
- Automation lanes and writing automation.

Day 11: Arrangement and Song Structure

- Song forms: verse-chorus, AABA, through-composed.
- Arrangement workspace: markers, clip arrangement.
- Building tension and release.
- Using breakpoints and fills.

Day 12: Bouncing, Exporting, and File Management

- Bouncing: offline vs real-time, formats (WAV, MP3).
- Stem export: individual tracks.
- File management: naming, folder structure.
- Backup strategies: cloud, external drives.

Day 13: Mastering Basics

- Mastering chain: EQ, multiband compression, limiter.
- Loudness standards: LUFS, true peak.
- Reference tracks.
- Dithering and final export.

Day 14: Live Sound Reinforcement – PA Systems and Mixing

- PA components: speakers, amplifiers, consoles.
- Live mixing: gain before feedback.
- Monitor mixes: wedges, in-ear.
- Feedback suppression: EQ, placement.

Day 15: Studio Acoustics and Monitoring

- Room modes, reflections, and absorption.
- Monitor placement: equilateral triangle.
- Acoustic treatment: bass traps, diffusers.
- Calibration: speaker levels, room EQ.

Day 16: Collaborative Production and Workflow Optimisation

- Collaboration tools: Splice, cloud sharing.
- Template creation: track presets, routing.
- Keyboard shortcuts and macros.
- Version control and project notes.

Day 17: Final Project and Portfolio Review

- Project brief: produce a short track or mix.
- Peer review and feedback.
- Portfolio compilation: MP3, session files.

- Career pathways: studio, live, post-production.

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 **20 NQF credits** at **NQF Level 5**.

PRICING (PER DELEGATE, EX-VAT)

Delegates	Training Method	Price per Delegate	Total
1	Online	R 56,500.00	R 56,500.00
1	In-House	R 73,400.00	R 73,400.00
1	On-Campus (Pretoria)	R 84,700.00	R 84,700.00

UPCOMING SESSIONS

Start	End	Method	Venue
10 Aug 2026	01 Sep 2026	On-Campus	Dubai, UAE
11 Aug 2026	02 Sep 2026	On-Campus	Pretoria, South Africa
12 Aug 2026	03 Sep 2026	On-Campus	Abu Dhabi, UAE
13 Aug 2026	04 Sep 2026	On-Campus	Durban, South Africa
13 Aug 2026	04 Sep 2026	On-Campus	Mauritius
14 Aug 2026	07 Sep 2026	On-Campus	Cape Town, South Africa
17 Aug 2026	08 Sep 2026	On-Campus	Pretoria, South Africa
18 Aug 2026	09 Sep 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 253335) 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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