



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

Hydraulic Hose Assembly With Fittings Training

Manufacturing, Engineering and Technology / Fabrication and Extraction

Unit Standard 110150 · NQF Level 2 · 2 Credits · 1 Day

COURSE OVERVIEW

This course equips learners with the skills to safely and correctly assemble hydraulic hoses with fittings, ensuring leak-free connections and compliance with industry standards. It covers identification of hose types, selection of appropriate fittings, and proper assembly techniques using manual and crimping methods.

Category	Manufacturing, Engineering and Technology
Subfield	Fabrication and Extraction
Unit Standard	110150
Accreditation	SAQA Accredited · NQF Level 2 · 2 Credits
Duration	1 day
Training Method	Online, On-Campus, In-House
Certificate	Issued via AATICD LMS – verifiable online

LEARNING OUTCOMES

- Identify different types of hydraulic hoses and fittings based on application, pressure rating, and size.
- Select the correct hose and fitting combination for a given hydraulic system specification.
- Demonstrate safe cutting, skiving, and assembly procedures for reusable and crimp fittings.
- Apply proper crimping techniques using manual and hydraulic crimping tools.
- Inspect completed assemblies for leaks, alignment, and torque specifications.
- Comply with relevant safety regulations and manufacturer guidelines during assembly.

WHO SHOULD ATTEND

- This course is intended for maintenance technicians, millwrights, and hydraulic system operators who need to assemble or replace hydraulic hoses in industrial, mining, or agricultural environments.

COURSE OUTLINE

Day 1: Hydraulic Hose Assembly with Fittings

- Introduction to hydraulic systems and hose assembly applications
- Hose and fitting types, materials, and standards (SAE, ISO)
- Safety precautions and personal protective equipment (PPE)
- Tools and equipment for hose cutting, skiving, and assembly
- Step-by-step assembly procedures: measuring, cutting, skiving, inserting, crimping
- Inspection and quality control: visual, dimensional, and pressure testing
- Common faults, troubleshooting, and rework procedures
- Record keeping and traceability of assemblies

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 **2 NQF credits** at **NQF Level 2**.

PRICING (PER DELEGATE, EX-VAT)

Delegates	Training Method	Price per Delegate	Total
1	Online	R 12,800.00	R 12,800.00
1	In-House	R 16,600.00	R 16,600.00
1	On-Campus (Pretoria)	R 19,200.00	R 19,200.00

UPCOMING SESSIONS

Start	End	Method	Venue
10 Aug 2026	10 Aug 2026	On-Campus	Pretoria, South Africa
11 Aug 2026	11 Aug 2026	On-Campus	Abu Dhabi, UAE
12 Aug 2026	12 Aug 2026	On-Campus	Durban, South Africa
12 Aug 2026	12 Aug 2026	On-Campus	Mauritius
13 Aug 2026	13 Aug 2026	On-Campus	Cape Town, South Africa
14 Aug 2026	14 Aug 2026	On-Campus	Dubai, UAE
17 Aug 2026	17 Aug 2026	On-Campus	Abu Dhabi, UAE
18 Aug 2026	18 Aug 2026	On-Campus	Durban, 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 110150) 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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