



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

Pharmaceutical Product Compounding and Packaging

Health Sciences and Social Services / Curative Health

Unit Standard 256496 · NQF Level 3 · 12 Credits · 9 Days

COURSE OVERVIEW

This course equips learners with the competencies required to compound, manipulate, prepare, and package pharmaceutical products in accordance with Good Manufacturing Practice (GMP) and relevant legislative requirements. It focuses on the practical skills and theoretical knowledge necessary for safe and effective pharmaceutical compounding, ensuring product quality and patient safety.

Category	Health Sciences and Social Services
Subfield	Curative Health
Unit Standard	256496
Accreditation	SAQA Accredited · NQF Level 3 · 12 Credits
Duration	9 days
Training Method	Online, On-Campus, In-House
Certificate	Issued via AATICD LMS – verifiable online

LEARNING OUTCOMES

- Apply principles of Good Manufacturing Practice (GMP) and Standard Operating Procedures (SOPs) in compounding and packaging activities.
- Demonstrate accurate measurement, mixing, and manipulation of pharmaceutical ingredients to produce compounded preparations.
- Implement appropriate packaging techniques to ensure product stability, sterility, and compliance with regulatory requirements.
- Evaluate product quality through visual inspection, documentation, and adherence to quality control procedures.
- Analyze potential risks and hazards in the compounding environment and apply safety measures to prevent contamination and errors.
- Design a systematic workflow for compounding and packaging that optimizes efficiency and maintains traceability.

WHO SHOULD ATTEND

- This course is designed for pharmacy assistants, pharmacy technicians, and other healthcare support staff involved in the preparation and packaging of pharmaceutical products in retail, hospital, or manufacturing settings.

COURSE OUTLINE

Day 1: Introduction to Pharmaceutical Compounding and Regulatory Framework

- Definition and history of pharmaceutical compounding
- Regulatory framework: Medicines Act, SAQA, HPCSA
- GMP principles: premises, equipment, personnel
- Quality assurance and documentation requirements
- Ethical considerations in compounding

Day 2: Pharmaceutical Raw Materials and Excipients

- Active pharmaceutical ingredients (APIs) and excipients
- Sources and specifications of raw materials
- Solubility, pH, and compatibility considerations
- Stability testing and storage conditions
- Handling of hazardous substances

Day 3: Compounding Equipment and Facilities

- Mixing, blending, and homogenization equipment
- Weighing and measuring devices
- Cleanroom classifications and environmental monitoring
- HVAC systems and laminar flow hoods
- Equipment validation and maintenance logs

Day 4: Formulation Development and Calculations

- Pharmaceutical calculations: weight, volume, percentage
- Compounding formulas and master formulation records
- Extemporaneous compounding: creams, ointments, solutions
- Pediatric and geriatric dosing considerations
- Batch size adjustments and yield calculations

Day 5: Sterile Compounding and Aseptic Techniques

- Aseptic technique: hand washing, garbing, gloving
- Laminar airflow workstations and isolators
- Preparation of intravenous admixtures
- Total parenteral nutrition (TPN) compounding
- Sterility testing, endotoxin testing, and beyond-use dating

Day 6: Non-Sterile Compounding: Solids, Liquids, and Semisolids

- Capsule filling techniques (hard and soft gelatin)
- Suspensions and emulsions: formulation and preparation
- Ointments, creams, and gels: bases and compounding
- Suppositories and lozenges
- Quality control: uniformity, pH, viscosity, microbial limits

Day 7: Packaging, Labeling, and Storage

- Packaging materials: containers, closures, and child-resistant packaging
- Labeling: contents, expiry, storage, and warnings
- Beyond-use dating and stability studies
- Storage conditions: temperature, light, humidity

- Dispensing procedures and patient information leaflets

Day 8: Quality Assurance and Risk Management

- Quality assurance: SOPs, batch records, and audits
- Risk management: failure mode effects analysis (FMEA)
- Error prevention and reporting systems
- Corrective and preventive actions (CAPA)
- Regulatory inspections and compliance

Day 9: Advanced Compounding and Special Populations

- Compounding for pediatric, geriatric, and veterinary patients
- Transdermal and topical drug delivery systems
- Compounding of hormonal preparations
- Clinical case studies and compounding challenges
- Professional development and certification pathways

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 3**.

PRICING (PER DELEGATE, EX-VAT)

Delegates	Training Method	Price per Delegate	Total
1	Online	R 24,400.00	R 24,400.00
1	In-House	R 31,700.00	R 31,700.00
1	On-Campus (Pretoria)	R 36,600.00	R 36,600.00

UPCOMING SESSIONS

Start	End	Method	Venue
21 Aug 2026	02 Sep 2026	On-Campus	Pretoria, South Africa
24 Aug 2026	03 Sep 2026	On-Campus	Durban, South Africa
25 Aug 2026	04 Sep 2026	On-Campus	Shenzhen, China
26 Aug 2026	07 Sep 2026	On-Campus	Harare, Zimbabwe
27 Aug 2026	08 Sep 2026	On-Campus	Bangkok, Thailand
28 Aug 2026	09 Sep 2026	On-Campus	Victoria Falls, Zimbabwe
28 Aug 2026	09 Sep 2026	On-Campus	Abu Dhabi, UAE
31 Aug 2026	10 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 256496) 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