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

# Work With Shape Space And Measurement Training

Physical, Mathematical, Computer and Life Sciences / Mathematical Sciences

Unit Standard 119369 · NQF Level 1 · 3 Credits · 1 Day

## COURSE OVERVIEW

This course equips learners with the skills to work effectively with shape, space, and measurement in various contexts. Participants will develop the ability to solve problems involving geometric shapes, spatial relationships, and measurement systems, enhancing their analytical and practical competencies in both personal and professional settings.

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|---|---|
| Category | Physical, Mathematical, Computer and Life Sciences |
| Subfield | Mathematical Sciences |
| Unit Standard | 119369 |
| Accreditation | SAQA Accredited · NQF Level 1 · 3 Credits |
| Duration | 1 day |
| Training Method | Online, On-Campus, In-House |
| Certificate | Issued via AATICD LMS — verifiable online |

## LEARNING OUTCOMES

- Apply geometric principles to describe and analyze shapes and spatial configurations.
- Demonstrate the ability to measure length, area, volume, and angles using appropriate instruments and units.
- Solve problems involving perimeter, area, volume, and capacity in practical contexts.
- Interpret and create scale drawings and diagrams to represent spatial information.
- Use measurement systems (metric and imperial) accurately and convert between units.
- Evaluate the suitability of different measurement tools and techniques for specific tasks.

## WHO SHOULD ATTEND

- This course is designed for individuals who need to apply basic geometric and measurement concepts in their work or daily life, including those in technical, administrative, or operational roles.

## COURSE OUTLINE

Day 1: **Foundations of Shape, Space, and Measurement**

- Introduction to shape, space, and measurement: definitions and real-world relevance.
- Properties of 2D shapes: triangles, quadrilaterals, circles, and polygons.
- Properties of 3D objects: cubes, prisms, cylinders, spheres, and pyramids.
- Measurement systems: SI units (length, area, volume, mass, time) and conversion.
- Measuring length, mass, and capacity using rulers, scales, and graduated cylinders.
- Calculating perimeter and area of rectangles, triangles, and circles.
- Calculating volume of rectangular prisms and cylinders.
- Introduction to scale and scale drawings: reading and interpreting maps and plans.

## 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 **3 NQF credits** at **NQF Level 1**.

## PRICING (PER DELEGATE, EX-VAT)

| Delegates | Training Method | Price per Delegate | Total |
|---|---|---|---|
| 1 | Online | R 9,400.00 | **R 9,400.00** |
| 1 | In-House | R 12,700.00 | **R 12,700.00** |
| 1 | On-Campus (Pretoria) | R 14,100.00 | **R 14,100.00** |

## UPCOMING SESSIONS

| Start | End | Method | Venue |
|---|---|---|---|
| 03 Dec 2026 | 03 Dec 2026 | On-Campus | Pretoria, South Africa |
| 04 Dec 2026 | 04 Dec 2026 | On-Campus | Dar es Salaam, Tanzania |
| 07 Dec 2026 | 07 Dec 2026 | On-Campus | Victoria Falls, Zimbabwe |
| 07 Dec 2026 | 07 Dec 2026 | On-Campus | Blantyre, Malawi |
| 08 Dec 2026 | 08 Dec 2026 | On-Campus | Kinshasa, DRC |
| 09 Dec 2026 | 09 Dec 2026 | On-Campus | Abu Dhabi, UAE |
| 09 Dec 2026 | 09 Dec 2026 | On-Campus | Bangkok, Thailand |
| 10 Dec 2026 | 10 Dec 2026 | On-Campus | Nairobi, Kenya |

Contact us if no suitable date is listed — on-demand sessions can be arranged for groups.

## HOW TO GET A QUOTATION OR APPLY

1. **Get an instant quotation online:** visit www.aaticd.co.za, open the page for this course (Unit Standard 119369) and click **Get A Quotation**. 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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