



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

Analyse And Synthesise Spatial Information From Maps And Other Forms Of Spatial Information Training

Human and Social Studies / General Social Science

Unit Standard 119903 · NQF Level 4 · 4 Credits · 1 Day

COURSE OVERVIEW

This course equips learners with the skills to interpret, analyse and synthesise spatial information from maps, charts, plans, aerial photographs and digital spatial data. It focuses on extracting meaningful insights and presenting synthesised spatial information for decision-making in various contexts such as urban planning, environmental management and logistics.

Category	Human and Social Studies
Subfield	General Social Science
Unit Standard	119903
Accreditation	SAQA Accredited · NQF Level 4 · 4 Credits
Duration	1 day
Training Method	Online, On-Campus, In-House
Certificate	Issued via AATICD LMS – verifiable online

LEARNING OUTCOMES

- Analyse different types of maps and spatial information sources to extract relevant data.
- Synthesise spatial information from multiple sources to produce integrated interpretations.
- Apply spatial analysis techniques to identify patterns, relationships and trends.
- Evaluate the accuracy and reliability of spatial information from various sources.
- Present synthesised spatial information in a clear and usable format for decision-making.
- Demonstrate competence in using basic spatial analysis tools and software.

WHO SHOULD ATTEND

- This course is ideal for professionals in GIS, urban and regional planning, environmental management, surveying, logistics and related fields who need to analyse and synthesise spatial data from multiple sources.

COURSE OUTLINE

Day 1: Foundational Concepts and Practical Application of Spatial Information Analysis

- Introduction to spatial information and its importance.
- Types of maps: topographic, thematic, cadastral, and orthophoto maps.
- Understanding map scale, symbols, coordinates, and legends.
- Sources of spatial data: maps, aerial photographs, satellite imagery, GIS.
- Basic analysis techniques: distance measurement, area calculation, and direction.
- Identifying spatial patterns and relationships: proximity, distribution, and connectivity.
- Synthesizing information from multiple spatial sources.
- Practical exercise: Analysing a local area map to answer specific questions.

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 **4 NQF credits** at **NQF Level 4**.

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 12,200.00	R 12,200.00
1	On-Campus (Pretoria)	R 14,100.00	R 14,100.00

UPCOMING SESSIONS

Start	End	Method	Venue
21 Aug 2026	21 Aug 2026	On-Campus	Abu Dhabi, UAE
24 Aug 2026	24 Aug 2026	On-Campus	Shenzhen, China
25 Aug 2026	25 Aug 2026	On-Campus	Harare, Zimbabwe
26 Aug 2026	26 Aug 2026	On-Campus	Bangkok, Thailand
27 Aug 2026	27 Aug 2026	On-Campus	Victoria Falls, Zimbabwe
27 Aug 2026	27 Aug 2026	On-Campus	Abu Dhabi, UAE
28 Aug 2026	28 Aug 2026	On-Campus	Durban, South Africa
31 Aug 2026	31 Aug 2026	On-Campus	Harare, Zimbabwe

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 119903) 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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