



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

Demonstrate An Awareness Of The Impact Of Human Activities On The Environment Training

Physical, Mathematical, Computer and Life Sciences / Environmental Sciences

Unit Standard 119305 · NQF Level 1 · 12 Credits · 9 Days

COURSE OVERVIEW

This course equips learners with foundational awareness of how human activities impact the natural environment. It promotes responsible behaviour and compliance with environmental legislation in the workplace and community.

Category	Physical, Mathematical, Computer and Life Sciences
Subfield	Environmental Sciences
Unit Standard	119305
Accreditation	SAQA Accredited · NQF Level 1 · 12 Credits
Duration	9 days
Training Method	Online, On-Campus, In-House
Certificate	Issued via AATICD LMS – verifiable online

LEARNING OUTCOMES

- Identify the main types of human activities that negatively affect the environment.
- Explain the consequences of environmental degradation on ecosystems and human health.
- Apply basic principles of waste management and resource conservation in daily tasks.
- Demonstrate awareness of relevant environmental legislation and organisational policies.
- Evaluate personal and workplace practices for potential environmental impact.
- Propose simple measures to reduce environmental harm in own area of work.

WHO SHOULD ATTEND

- This course is designed for employees, supervisors, and team leaders across all industries who need to understand their environmental responsibilities and contribute to sustainable practices.

COURSE OUTLINE

Day 1: Introduction to Environmental Awareness and Key Concepts

- Overview of environmental awareness and its importance.
- Key concepts: ecosystem, biodiversity, pollution, sustainability.
- Human activities and their environmental impacts: an introduction.
- South African environmental context: current issues and legislation.
- Introduction to Unit Standard 119305: learning outcomes and assessment criteria.

Day 2: Ecosystems and Biodiversity – Understanding Our Natural Heritage

- Components of ecosystems: biotic and abiotic factors.
- Energy flow and nutrient cycles.
- Biodiversity: definition, levels, and value.
- Human impacts on biodiversity: habitat destruction, overexploitation, invasive species.
- Conservation approaches: protected areas, community-based conservation, legislation.

Day 3: Pollution – Sources, Effects, and Management

- Air pollution: sources (industry, vehicles) and effects (health, climate).
- Water pollution: point and non-point sources, eutrophication, impacts on aquatic life.
- Soil pollution: agricultural chemicals, waste disposal, land degradation.
- Noise pollution: sources and effects on wildlife and humans.
- Pollution control: regulations, cleaner production, waste management.

Day 4: Resource Use and Sustainability – Energy, Water, and Materials

- Classification of natural resources: renewable vs non-renewable.
- Energy sources: fossil fuels, nuclear, renewables (solar, wind, hydro).
- Water resources: availability, usage, and challenges in South Africa.
- Material flows: extraction, production, consumption, and disposal.
- Sustainability principles: reduce, reuse, recycle; life cycle thinking.
- Case studies: energy efficiency, water conservation, waste minimisation.

Day 5: Climate Change – Causes, Impacts, and Responses

- Science of climate change: greenhouse gases, global warming.
- Sources of emissions: energy, transport, agriculture, industry.
- Impacts on South Africa: water scarcity, agriculture, health, biodiversity.
- Mitigation: renewable energy, energy efficiency, carbon sequestration.
- Adaptation: resilient infrastructure, early warning systems, community adaptation.
- Policy: Paris Agreement, South Africa's National Climate Change Response.

Day 6: Waste Management and Circular Economy

- Waste types: municipal, hazardous, electronic, organic.
- Environmental impacts of waste: landfill, incineration, pollution.
- Waste hierarchy: prevention, reuse, recycling, recovery, disposal.
- Circular economy: design out waste, keep materials in use, regenerate natural systems.
- South African waste management: legislation, recycling initiatives, challenges.
- Case studies: extended producer responsibility, composting, waste-to-energy.

Day 7: Environmental Legislation and Policy in South Africa

- Overview of environmental law: NEMA, NWA, NEMBA, NEMWA.

- Key principles: polluter pays, precautionary principle, sustainable development.
- Regulatory bodies: DEA, DWS, provincial departments, municipalities.
- Environmental impact assessments (EIAs) and authorisations.
- Compliance and enforcement: penalties, audits, legal liability.
- Case studies: legal cases and environmental disputes.

Day 8: Social and Economic Dimensions of Environmental Issues

- Environmental justice: disproportionate impacts on vulnerable groups.
- Sustainable development: balancing economic growth, social equity, environmental protection.
- Green economy: job creation, innovation, sustainable industries.
- Economic tools: taxes, subsidies, carbon trading, payments for ecosystem services.
- Community engagement: participation, education, behaviour change.
- Case studies: community-led conservation, eco-tourism, social enterprises.

Day 9: Integration and Practical Application – Becoming an Environmental Champion

- Group activity: environmental impact assessment of a local scenario.
- Developing a personal environmental action plan.
- Effective communication: presenting environmental issues to diverse audiences.
- Role of individuals in promoting sustainability.
- Review of key concepts and assessment preparation.
- Final assessment: written and practical tasks.

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 1**.

PRICING (PER DELEGATE, EX-VAT)

Delegates	Training Method	Price per Delegate	Total
1	Online	R 33,300.00	R 33,300.00
1	In-House	R 43,300.00	R 43,300.00
1	On-Campus (Pretoria)	R 50,000.00	R 50,000.00

UPCOMING SESSIONS

Start	End	Method	Venue
03 Aug 2026	13 Aug 2026	On-Campus	Dubai, UAE
04 Aug 2026	14 Aug 2026	On-Campus	Pretoria, South Africa
04 Aug 2026	14 Aug 2026	On-Campus	Lagos, Nigeria
05 Aug 2026	17 Aug 2026	On-Campus	Johannesburg, South Africa
06 Aug 2026	18 Aug 2026	On-Campus	Mauritius
07 Aug 2026	19 Aug 2026	On-Campus	Cape Town, South Africa
10 Aug 2026	20 Aug 2026	On-Campus	Pretoria, South Africa
11 Aug 2026	21 Aug 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 119305) 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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