



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@aatikd.co.za · Website: www.aatikd.co.za

COURSE BROCHURE

Image Damage Analysis and Effects Assessment

Law, Military Science and Security / Sovereignty of the State

Unit Standard 244509 · NQF Level 5 · 5 Credits · 2 Days

COURSE OVERVIEW

This course equips learners with the skills to systematically analyse and assess damage to digital and physical imagery. Participants will learn to identify various types of image damage, evaluate their causes and effects, and apply appropriate assessment methodologies to inform restoration or preservation decisions.

Category	Law, Military Science and Security
Subfield	Sovereignty of the State
Unit Standard	244509
Accreditation	SAQA Accredited · NQF Level 5 · 5 Credits
Duration	2 days
Training Method	Online, On-Campus, In-House
Certificate	Issued via AATICD LMS – verifiable online

LEARNING OUTCOMES

- Analyse different types of image damage, including physical, chemical, and digital degradation.
- Evaluate the causes and effects of damage on image quality, usability, and archival value.
- Apply standardised assessment frameworks to quantify and document damage severity.
- Demonstrate the ability to prioritise images for restoration or preservation based on damage analysis.
- Implement appropriate corrective or preventive measures to mitigate further image deterioration.
- Communicate assessment findings effectively through detailed reports and recommendations.

WHO SHOULD ATTEND

- This course is designed for records managers, digitisation specialists, archivists, and quality assurance personnel responsible for maintaining the integrity of image collections in corporate or heritage environments.

COURSE OUTLINE

Day 1: Fundamentals of Image Damage Analysis

- Introduction to image damage analysis and its applications.
- Image formation and acquisition fundamentals.
- Types of image damage: noise, blur, distortion, and artefacts.
- Causes of image degradation: hardware, software, and environmental.
- Visual inspection methods for damage detection.
- Introduction to image quality metrics (PSNR, SSIM).
- Case studies of common image damage scenarios.
- Practical: guided visual inspection of sample images.

Day 2: Effects Assessment and Mitigation Strategies

- Quantitative assessment methods: error maps and statistical analysis.
- Impact of damage on computer vision and human interpretation.
- Use of software tools for automated damage analysis.
- Damage severity classification and thresholds.
- Mitigation techniques: filtering, restoration, and enhancement.
- Reporting findings and recommendations.
- Practical: hands-on assessment using sample datasets.
- Final group exercise: complete damage analysis and effects report.

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 **5 NQF credits** at **NQF Level 5**.

PRICING (PER DELEGATE, EX-VAT)

Delegates	Training Method	Price per Delegate	Total
1	Online	R 16,200.00	R 16,200.00
1	In-House	R 21,000.00	R 21,000.00
1	On-Campus (Pretoria)	R 24,300.00	R 24,300.00

UPCOMING SESSIONS

Start	End	Method	Venue
10 Aug 2026	11 Aug 2026	On-Campus	Durban, South Africa
10 Aug 2026	11 Aug 2026	On-Campus	Pretoria, South Africa
10 Aug 2026	11 Aug 2026	On-Campus	Cape Town, South Africa
12 Aug 2026	13 Aug 2026	On-Campus	Abu Dhabi, UAE
12 Aug 2026	13 Aug 2026	On-Campus	Dubai, UAE
12 Aug 2026	13 Aug 2026	On-Campus	Mauritius
18 Aug 2026	19 Aug 2026	On-Campus	Pretoria, South Africa
18 Aug 2026	19 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 244509) 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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