



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

Explain Cd Rom Based Multimedia And Develop A Portfolio On A Cd Rom Training

Business, Commerce and Management Studies / Marketing

Unit Standard 119528 · NQF Level 5 · 15 Credits · 12 Days

COURSE OVERVIEW

This course equips learners with the knowledge and skills to explain CD-ROM based multimedia and develop a professional portfolio on CD-ROM. It covers the principles of multimedia design, CD-ROM technology, and the process of creating an interactive portfolio that showcases competencies and achievements.

Category	Business, Commerce and Management Studies
Subfield	Marketing
Unit Standard	119528
Accreditation	SAQA Accredited · NQF Level 5 · 15 Credits
Duration	12 days
Training Method	Online, On-Campus, In-House
Certificate	Issued via AATICD LMS – verifiable online

LEARNING OUTCOMES

- Explain the concepts and components of CD-ROM based multimedia.
- Design a multimedia portfolio structure that aligns with the purpose and target audience.
- Apply multimedia authoring tools to create interactive elements on a CD-ROM.
- Demonstrate the ability to integrate text, images, audio, and video into a cohesive portfolio.
- Evaluate the functionality and usability of the developed CD-ROM portfolio.
- Implement testing and debugging procedures to ensure the CD-ROM works across different systems.

WHO SHOULD ATTEND

- This course is ideal for professionals, job seekers, and students who need to create a digital portfolio for career advancement or academic purposes, particularly those with basic computer literacy.

COURSE OUTLINE

Day 1: Introduction to CD-ROM Technology and Multimedia

- Overview of CD-ROM technology: physical structure and data storage
- History of optical storage media
- Multimedia elements: text, graphics, audio, video, animation
- CD-ROM standards and formats (ISO 9660, Joliet, UDF)
- Comparison with other storage media (DVD, USB, cloud)
- Data transfer rates and reading mechanisms

Day 2: Multimedia Authoring Tools and Software

- Types of authoring tools: icon-based, timeline-based, card-based
- Features of leading authoring software
- Scripting basics: Lingo, ActionScript
- Integrating multimedia elements using authoring tools
- Workflow for creating interactive content

Day 3: Designing User Interface and Navigation for CD-ROM

- UI design principles: consistency, feedback, affordance
- Navigation types: linear, hierarchical, non-linear
- Storyboarding techniques
- Accessibility considerations
- Prototyping and wireframing

Day 4: Capturing and Editing Multimedia Assets

- Image resolution, colour depth, and file formats (JPEG, PNG, GIF)
- Audio recording basics: microphones, sampling rates, formats (WAV, MP3)
- Video capture: codecs, frame rates, formats (AVI, MPEG)
- Editing software: Adobe Photoshop, Audacity, Premiere Pro
- Asset optimization for storage and performance

Day 5: Creating and Integrating Graphics and Animation

- Vector vs. raster graphics
- Tools: Adobe Illustrator, CorelDRAW, GIMP
- Animation principles: keyframes, tweening
- Animation software: Adobe Animate, Blender (basic)
- Compression algorithms: lossy vs. lossless
- Importing and managing graphics in authoring tools

Day 6: Working with Digital Audio

- Digital audio fundamentals: bit depth, sample rate
- Recording techniques: microphone placement, noise reduction
- Audio editing: trimming, mixing, looping
- Audio formats and compression (MP3, WMA, OGG)
- Embedding audio in multimedia projects
- Creating background music and soundtracks

Day 7: Digital Video Production and Integration

- Video capture: from camera, screen recording

- Video editing timeline: cuts, transitions, filters
- Adding text overlays and subtitles
- Export settings for CD-ROM: resolution, bitrate
- Codec selection for compatibility
- Embedding video in authoring tools

Day 8: Interactivity and Scripting for CD-ROM

- Event-driven programming concepts
- Scripting languages: Lingo, ActionScript, JavaScript (basic)
- Building interactive menus and buttons
- Conditional logic for branching
- Tracking user choices and feedback
- Debugging scripts

Day 9: Authoring and Compiling the CD-ROM Portfolio

- Project assembly workflow
- Theming: colour schemes, fonts, templates
- Auto-run configuration (autorun.inf)
- Creating a CD-ROM image (ISO file)
- Cross-platform compatibility considerations
- Burning software and techniques

Day 10: Testing, Quality Assurance, and Troubleshooting

- Testing protocols: functionality, compatibility, performance
- Common issues: missing assets, codec errors, slow loading
- Usability testing methods: observation, questionnaires
- Debugging tools and techniques
- Performance optimization: caching, compression
- Final quality assurance checklist

Day 11: Packaging, Duplication, and Distribution

- Duplication vs. replication: cost, volume, quality
- Labeling: screen printing, adhesive labels
- Packaging options: jewel cases, sleeves, custom packaging
- Distribution: retail, online, bundled
- Copyright law and fair use for multimedia
- Licensing and DRM considerations

Day 12: Final Project Presentation and Portfolio Review

- Presentation skills: demonstrating interactivity
- Peer review and constructive criticism
- Final adjustments based on feedback
- Portfolio documentation: project plan, asset list
- Emerging trends: cloud-based portfolios, HTML5
- Course wrap-up and certification information

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

PRICING (PER DELEGATE, EX-VAT)

Delegates	Training Method	Price per Delegate	Total
1	Online	R 43,000.00	R 43,000.00
1	In-House	R 56,000.00	R 56,000.00
1	On-Campus (Pretoria)	R 64,600.00	R 64,600.00

UPCOMING SESSIONS

Start	End	Method	Venue
03 Aug 2026	18 Aug 2026	On-Campus	Mauritius
04 Aug 2026	19 Aug 2026	On-Campus	Cape Town, South Africa
05 Aug 2026	20 Aug 2026	On-Campus	Dubai, UAE
06 Aug 2026	21 Aug 2026	On-Campus	Pretoria, South Africa
06 Aug 2026	21 Aug 2026	On-Campus	Lagos, Nigeria
07 Aug 2026	24 Aug 2026	On-Campus	Johannesburg, South Africa
10 Aug 2026	25 Aug 2026	On-Campus	Cape Town, South Africa
11 Aug 2026	26 Aug 2026	On-Campus	Dubai, 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 119528) 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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