

Advanced Design tool features for Apparel and Textile Industry

Duration: 10 Days (80hrs)

Course Objective: To empower expert graphic designers and apparel retail teams with cutting-edge workflows using the Adobe CC 2026 ecosystem. This intensive course focuses on streamlining the apparel design lifecycle—from research to final production—utilizing advanced vector techniques, next-generation 3D tools, and complex AI loop engineering. Participants will master draping techniques, integrate high-end Magnific stock mockups, translate static concepts into dynamic motion graphics for retail displays, and build autonomous AI loops using ChatGPT and Gemini to accelerate creative ideation.

Target Audience: Expert graphic designers, senior apparel designers, and technical textile artists who are fully proficient in Adobe tools and looking to integrate advanced 2026 features and AI-driven automation into their commercial fashion workflows.

Day 1: Graphic Language & Design Life Cycle

Module 1: The Design Life Cycle

- Life Cycle for Research
- Apparel Industry Case Study
- **Lab Task:** Analyze an apparel industry case study and map out the complete R&D lifecycle for a new seasonal drop.

Module 2: Thematic Development

- Graphic Maturity & Thematic Development
- Typography Trends & Visual Language
- **Lab Task:** Develop a mature, trend-aligned visual language and typography strategy for a tropical-themed collection.

Module 3: Asset Organization

- Adobe Projects Sync
- Creative Cloud Libraries Management
- **Lab Task:** Create and synchronize a Creative Cloud Library with the established color palette and base visual assets.

Day 2: Advanced Adobe Illustrator Tools

Module 4: Next-Gen Color Workflows

- Next-Gen Color & Perceptual Shading
- Dithered Gradients
- **Lab Task:** Apply perceptual shading and dithered gradients to eliminate banding on a complex vector apparel graphic.

Module 5: Complex Vector Execution

- Advanced Blend Tools
- Mesh Tool Mastery
- **Lab Task:** Engineer dynamic shading on a garment flat sketch using the advanced blend and mesh tools.

Module 6: Symbol Libraries

- Dynamic Symbol Creation
- Garment Hardware Libraries
- **Lab Task:** Construct a scalable, dynamic symbol library containing custom garment hardware (zippers, buttons, rivets).

Day 3: Patterns, 3D Features & Concept Translation

Module 7: Seamless Textile Patterns

- Complex Pattern Structures
- Pattern Editing & Scaling
- **Lab Task:** Build a complex, multi-layered seamless textile pattern tailored for all-over apparel printing.

Module 8: Concept Translation

- Concept to Vector Translation
- Advanced Vector Tracing
- **Lab Task:** Translate a raw conceptual sketch into a precise, fully editable, and scalable vector graphic.

Module 9: Dimensional Vectors

- 2026 Turntable & Substance 3D Features
- Extracting Multi-Angle Views
- **Lab Task:** Utilize the Turntable feature to extract multi-angle, editable vector views from a 3D garment accessory.

Day 4: AI Loop Engineering

Module 10: AI Loop Fundamentals

- AI Loop Engineering (ChatGPT/Gemini)
- Agentic Prompt Chaining
- **Lab Task:** Build an autonomous prompt loop in Gemini or ChatGPT with a predefined quality rubric to iteratively refine a graphic concept.

Module 11: Text to Pattern Generation

- AI Prompting for Textiles
- Iterative Pattern Refinement
- **Lab Task:** Execute text-to-pattern generative AI prompts and iteratively refine the outputs into a viable commercial textile.

Module 12: Generative Recolor at Scale

- Algorithmic Colorways
- Seasonal Drop Planning
- **Lab Task:** Run Generative Recolor to instantly map out and evaluate five distinct seasonal colorways for the finalized graphic.

Day 5: Advanced Photoshop & Print Prep

Module 13: Advanced Print Techniques & Smart Objects

- Exact Color Separations & Trapping
- Photoshop Smart Objects & Linked Assets
- **Lab Task:** Establish a non-destructive Smart Object workspace in Photoshop and set up precise color separations for the vector artwork.

Module 14: Generative AI Compositing

- Generative Expand & Fill
- Harmonize & Compositing
- **Lab Task:** Seamlessly integrate a garment graphic onto a model photo using Generative Expand, Fill, and Harmonization tools to adjust lighting and environments.

Module 15: Magnific Stock Integration

- High-Resolution Workflows
- Magnific Stock Mockup Workflows

- **Lab Task:** Finalize the photorealistic presentation by precisely mapping the design onto a high-resolution traditional stock mockup from Magnific.

Day 6: Adobe InDesign Foundations

Module 16: Tech Pack Architecture

- Grid & Layout Systems
- Multi-page Document Setup
- **Lab Task:** Construct the core multi-page architecture and grid system for a brand-aligned tech pack layout.

Module 17: Master Pages & Typography

- Master Pages in InDesign
- Character & Paragraph Styles
- **Lab Task:** Apply automated Master Pages and strict character/paragraph styles to ensure perfect standardization across the entire tech pack.

Day 7: Adobe InDesign Automation

Module 18: Advanced Table Styles

- Data Formatting Best Practices
- Cell and Table Overrides
- **Lab Task:** Build complex, reusable Table Styles in InDesign tailored specifically for garment measurement specifications and BOM data.

Module 19: Data-Driven Layouts

- Excel to Tech Pack Integration
- BOM Syncing
- **Lab Task:** Seamlessly import structured Excel BOM data into the InDesign tables to instantly automate the population of the production tech pack.

Day 8: After Effects Motion Foundations

Module 20: Workspace & Asset Integration

- Workspace & AI/PSD Integration
- Core Keyframing & Easing
- **Lab Task:** Import layered AI/PSD assets into After Effects and apply core keyframing with the Graph Editor for smooth, professional motion.

Module 21: Kinetic Typography

- Text Animation Presets
- Track Mattes & Travel Mattes
- **Lab Task:** Design a high-energy kinetic typography sequence using track mattes to reveal the apparel brand's messaging dynamically.

Day 9: After Effects Dynamic Presentations & Rendering

Module 22: Dynamic Presentations

- 3D Camera Trackers
- **Lab Task:** Apply 3D camera tracker on model shot.

Module 23: Rendering & Grading

- Visual Enhancements & Grading
- Batch Rendering Workflows
- **Lab Task:** Apply final color grades and utilize Media Encoder to batch render the motion graphics optimized for both horizontal retail screens and vertical social media drops.

Day 10: Capstone Project

Module 24: End-to-End Workflow Execution

- Final Workflow Assembly
- **Lab Task:** Compile and synchronize all automated tech packs, AI-refined graphics, and motion sequences into a unified final project.