

PROFESSIONAL COURSE OUTLINE

NVIDIA

Generative AI With Diffusion Models

Program aligned

This NVIDIA DLI course helps teams get started with generative AI application development by building a text-to-image solution with diffusion models. It combines from-scratch understanding with enterprise use of pretrained approaches to accelerate application delivery.

AI

Intermediate

PyTorch, CLIP

PROGRAM CODE

Program aligned

DELIVERY

Virtual, On-site, or Hybrid

DURATION

8 hours

CERTIFICATION

Available on request

AUDIENCE PROFILE

Who This Program Is For

Built for practitioners with solid deep learning foundations who want to expand into enterprise image-generative AI workflows using diffusion models.

PROGRAM SUMMARY

What This Course Covers

Official NVIDIA DLI generative AI course focused on building text-to-image applications with diffusion models.

TAILORED DELIVERY

Adapt the program around your team.

This outline can be adapted for virtual, on-site, or hybrid delivery, with emphasis adjusted for your team's platform priorities, role mix, and implementation goals.

Enterprise-ready delivery format

VNode ITeS can align labs, examples, delivery pace, and assessment checkpoints to the required audience profile while preserving the official program sequence where applicable.

COMPLETE MODULE SEQUENCE

Module Flow and Topic Coverage

The structure below presents the current delivery flow for this program, including the associated topics covered under each module.

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MODULE 1

Understand diffusion-based generation

Learn the core ideas behind diffusion models and how they support modern image-generative AI applications.

- Diffusion model foundations
- Text-to-image generation workflows



Plan the next session

We can tune this outline around your delivery goals and team mix.

TALK TO US

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MODULE 2

Accelerate and refine image generation solutions

Use pretrained approaches and optimization techniques to improve output quality, speed development, and support more controlled generation.

- Pretrained model acceleration
- Optimization and output control

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