

PROFESSIONAL COURSE OUTLINE

NVIDIA

Accelerating Data Engineering Pipelines

Program aligned

This NVIDIA DLI program explores how to employ advanced data engineering tools and techniques with GPUs to improve pipeline performance. It is well suited for teams that want stronger pipeline efficiency before scaling more complex data and AI workloads.

Data

Intermediate

NVIDIA RAPIDS, NVTabular

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 who need to improve data engineering pipeline performance with GPU-enabled tools and workflow techniques.

PROGRAM SUMMARY

What This Course Covers

Official NVIDIA DLI program exploring advanced tools and techniques for GPU-accelerated data engineering pipelines.

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.

1

MODULE 1

Build accelerated pipeline foundations

Explore the core tools and patterns needed to use GPUs effectively within data engineering and transformation workflows.

- Accelerated pipeline foundations
- GPU-enabled transformation workflows



Plan the next session

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

TALK TO US

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Page 1 of 2

2

MODULE 2

Scale engineering workflows for higher throughput

Apply distributed and feature-oriented workflow techniques to improve pipeline reliability and throughput on larger data volumes.

- Distributed processing patterns with Dask
- Feature pipeline acceleration with NVTabular

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Page 2 of 2