

PROFESSIONAL COURSE OUTLINE

NVIDIA

Introduction to Graph Neural Networks

Program aligned

This NVIDIA DLI course introduces the basic concepts, models, and applications of graph neural networks. It is a strong entry point for teams exploring graph-based representation learning and relational AI use cases.

AI

Intermediate

PyTorch, Deep Graph Library

PROGRAM CODE

Program aligned

DELIVERY

Virtual, On-site, or Hybrid

DURATION

2 hours

CERTIFICATION

Available on request

AUDIENCE PROFILE

Who This Program Is For

Built for practitioners who already understand core deep learning and want to extend into graph-based modeling and relational AI techniques.

PROGRAM SUMMARY

What This Course Covers

Official NVIDIA DLI course introducing the concepts, models, and applications of graph neural networks.

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 graph deep learning concepts

Learn how graph neural networks represent relationships, structure data differently, and apply to real-world AI scenarios.

- Graph deep learning foundations
- Core graph model concepts



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

Explore applied graph AI applications

Review common graph-neural-network use cases and begin experimenting with graph tooling for applied AI workloads.

- Graph neural network applications
- Experimentation with graph tooling

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