

# Learning Paths for Developers and Administrators

August 2024

# Learning Paths by Role and Topic

### Table of Contents

For Developers	For Administrators
Accelerated Computing	Accelerated Computing
Computer Vision and Video Analytics	<u>Data Center Overview</u>
Cybersecurity and Fraud Detection	Data Center and Cloud
<u>Data Science</u>	Infrastructure for Generative Al and LLMs
Deep Learning	NVIDIA AI Enterprise
Edge Computing	<u>Networking</u>
Generative Al and Large Language Models (LLMs)	Simulation, Data Modeling, and Design
Industry-Related Training	
NVIDIA AI Enterprise	
Simulation, Data Modeling, and Design	

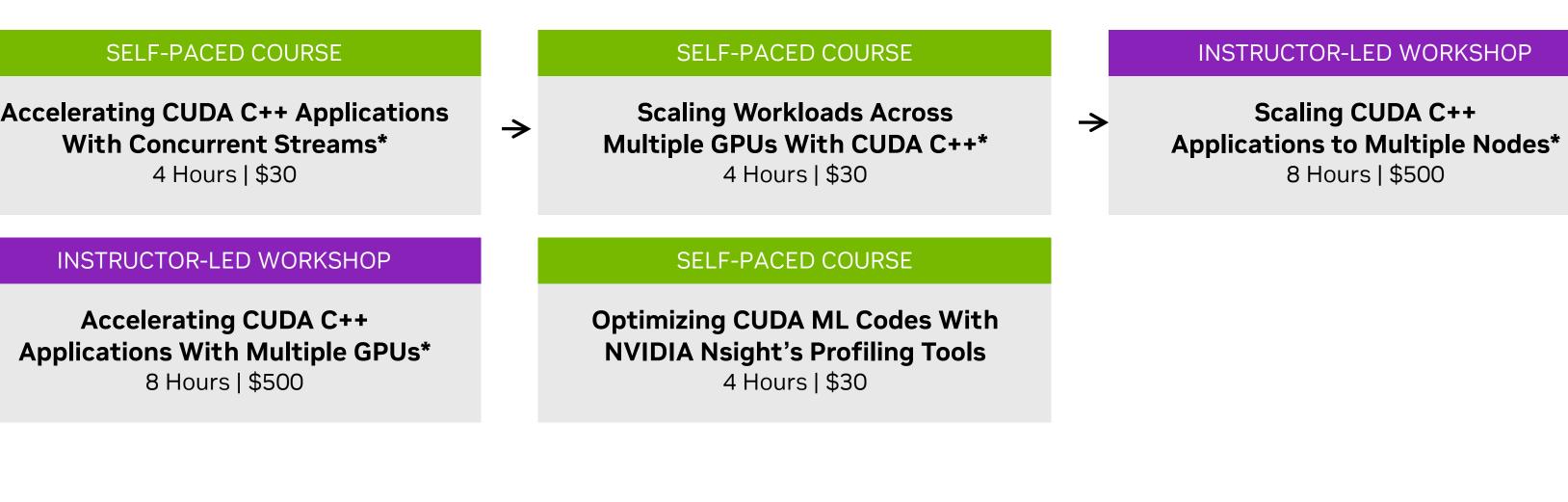
To develop a customized training plan for your organization, connect with one of our training advisors.



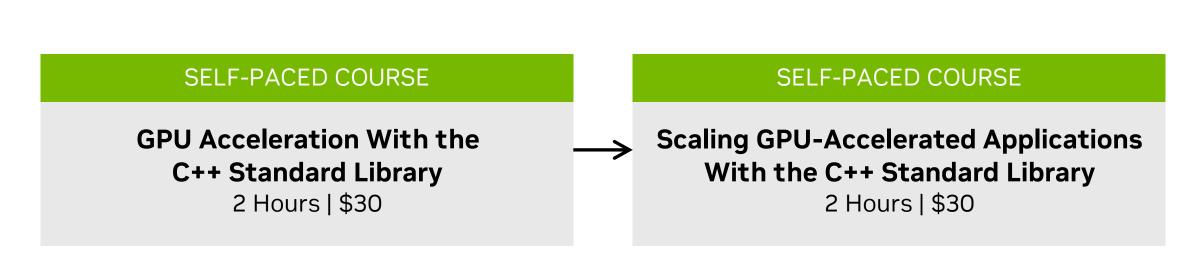
# **Accelerated Computing Training**

### For Developers

#### SELF-PACED COURSE SELF-PACED COURSE SELF-PACED COURSE **An Even Easier Getting Started with Accelerated** Accelerating CUDA C++ Applications Introduction to CUDA Computing With CUDA C/C++\* With Concurrent Streams\* 4 Hours | \$30 1 Hour | Free 8 Hours | \$90 **INSTRUCTOR-LED WORKSHOP INSTRUCTOR-LED WORKSHOP Fundamentals of Accelerated** Accelerating CUDA C++ Computing With CUDA C/C++\* **Applications With Multiple GPUs\*** 8 Hours | \$500 8 Hours | \$500







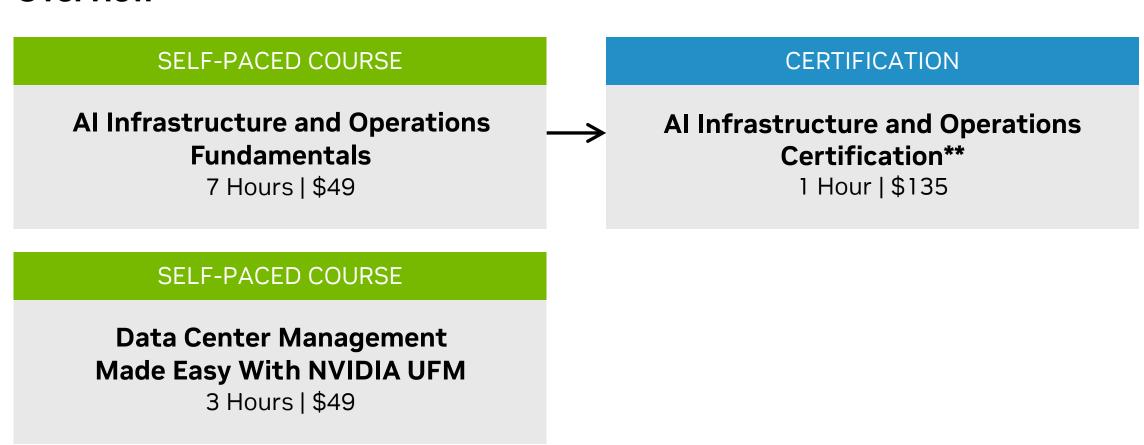
# Fundamentals of Accelerated Computing With CUDA Python\* 8 Hours | \$90 INSTRUCTOR-LED WORKSHOP Fundamentals of Accelerated Computing With CUDA Python\*\* 8 Hours | \$500

- \* NVIDIA Certificate of Competency
- \*\* Digital Badge Available
- **{ }** Braces Indicate Alternate Paths

# **Accelerated Computing Training**

For Administrators

#### Overview



**NVIDIA AI Enterprise** Choose the courses that best match your learning needs.

SELF-PACED COURSE **NVIDIA AI Enterprise Administrator: NVIDIA AI Enterprise Administrator** 8 Hours | \$99

**INSTRUCTOR-LED WORKSHOP** 

**NVIDIA AI Enterprise Administrator: Private Customized Training** 

**INSTRUCTOR-LED WORKSHOP** 

12 Hours | \$ Custom

**Public Training** 12 Hours | \$1,500

NVIDIA Base Command Manager Choose the courses that best match your learning needs.

SELF-PACED COURSE SELF-PACED COURSE Introduction to NVIDIA **NVIDIA Base Command** Manager Administration **Base Command Manager** 3 Hours | Free 5 Hours | Free

SELF-PACED COURSE

**NVIDIA Base Command Manager Auto-Scaling Hybrid Cloud** 3 Hours | Free

**INSTRUCTOR-LED WORKSHOP** 

**NVIDIA Base Command Manager: Private Custom Training** 12 Hours | \$ Custom

**NVIDIA DGX** Choose the courses that best match your learning needs.

#### **INSTRUCTOR-LED WORKSHOP**

NVIDIA DGX H100 / A100 **Administration: Public Workshop** 12 Hours | \$1,500

#### **INSTRUCTOR-LED WORKSHOP**

NVIDIA DGX H100 / A100 **Administration: Private Workshop** 12 Hours | \$ Custom

#### **INSTRUCTOR-LED WORKSHOP**

**NVIDIA DGX BasePOD Administration: Private Workshop** 12 Hours | \$ Custom

#### INSTRUCTOR-LED WORKSHOP

**NVIDIA DGX SuperPOD Administration: Private Workshop** 12 Hours | \$ Custom

- \* NVIDIA Certificate of Competency
- \*\* Digital Badge Available
- Braces Indicate Alternate Paths



# Computer Vision and Video Analytics Training

### For Developers

SELF-PACED COURSE INSTRUCTOR-LED WORKSHOP — **NEW!** SELF-PACED COURSE SELF-PACED COURSE **Building Real-Time Deploying a Model for Inference Bootstrapping Computer Vision Getting Started With Deep Learning\*** Models With Synthetic Data\* **Video AI Applications** at Production Scale 8 Hours | \$90 8 Hours | \$500 8 Hours | \$90 4 Hours | \$30 SELF-PACED COURSE **INSTRUCTOR-LED WORKSHOP** SELF-PACED COURSE **Disaster Risk Monitoring Getting Started With** Fundamentals of Deep Learning\* **Using Satellite Imagery Image Segmentation** 8 Hours | \$500 2 Hours | Free 8 Hours | Free **INSTRUCTOR-LED WORKSHOP** INSTRUCTOR-LED WORKSHOP **Applications of AI for Computer Vision for Anomaly Detection\*** Industrial Inspection\* 8 Hours | \$500 8 Hours | \$500 SELF-PACED COURSE — **NEW! INSTRUCTOR-LED WORKSHOP Applications of Al for Synthetic Data Generation for Predictive Maintenance\* Training Computer Vision Models** 8 Hours | \$500 3 Hours | \$30

SELF-PACED COURSE

Getting Started With Al on NVIDIA Jetson Nano\*

8 Hours | Free

#### **COURSE LEGEND**

- \* NVIDIA Certificate of Competency
- \*\* Digital Badge Available
- Braces Indicate Alternate Paths

**OVIDIA** 

# Cybersecurity and Fraud Detection Training

For Developers

Digital Fingerprinting With Morpheus

1 Hour | Free

| NSTRUCTOR-LED WORKSHOP

| Building Al-Based Cybersecurity Pipelines 8 Hours | \$500

| INSTRUCTOR-LED WORKSHOP

| Building Deep Learning-Based Anti-Fraud Applications (Chinese Only) 8 Hours | \$500

| SELF-PACED COURSE - NEW

| Exploring Adversarial Machine Learning 8 Hours | \$90

- \* NVIDIA Certificate of Competency
- \*\* Digital Badge Available
- **{ }** Braces Indicate Alternate Paths

# Data Center Overview Training

### For Administrators

Platform Overview Choose the courses that best match your learning needs.

SELF-PACED COURSE

Al Infrastructure and Operations **Fundamentals** 

7 Hours | \$49

SELF-PACED COURSE

INSTRUCTOR-LED WORKSHOP

**NVIDIA AI Enterprise Administrator** 8 Hours | \$99

CERTIFICATION

**Al Infrastructure and Operations** 

Certification\*\*

1 Hour | \$135

**NVIDIA AI Enterprise Administrator: Private Customized Training** 12 Hours | \$ Custom

**INSTRUCTOR-LED WORKSHOP** 

**NVIDIA AI Enterprise Administrator: Public Training** 12 Hours | \$1,500

SELF-PACED COURSE

**Introduction to NVIDIA Base Command Manager** 3 Hours | Free

SELF-PACED COURSE

**NVIDIA License System** 2 Hours | Free

SELF-PACED COURSE

**Data Center Management** Made Easy With NVIDIA UFM 3 Hours | \$49

**Compute** Choose the courses that best match your learning needs.

**INSTRUCTOR-LED WORKSHOP** 

**NVIDIA DGX BasePOD Administration: Private Workshop** 

12 Hours | \$ Custom

**INSTRUCTOR-LED WORKSHOP** 

**NVIDIA DGX SuperPOD Administration: Private Workshop** 12 Hours | \$ Custom

**INSTRUCTOR-LED WORKSHOP** 

NVIDIA DGX H100 / A100 Administration: Public Workshop 12 Hours | \$1,500

INSTRUCTOR-LED WORKSHOP

NVIDIA DGX H100 / A100 **Administration: Private Workshop** 12 Hours | \$ Custom

**Networking** Choose the courses that best match your learning needs.

SELF-PACED COURSE

Introduction to Networking 1 Hour | Free

SELF-PACED COURSE

**NVIDIA BlueField DPU Administration** 3 Hours | \$49

SELF-PACED COURSE

**InfiniBand Essentials** 1.5 Hours | Free

**Networking Software** Choose the courses that best match your learning needs.

SELF-PACED COURSE

Introduction to NVIDIA DOCA for DPUs 2 Hours | Free

SELF-PACED COURSE

**Network Administration With NVIDIA Onyx Switch System** 3 Hours | \$99

SELF-PACED COURSE

Fundamentals of RDMA Programming 4 Hours | \$49

SELF-PACED COURSE

**Ansible Essentials for Network Engineers** 3 Hours | \$49

### **COURSE LEGEND**

- \* NVIDIA Certificate of Competency
- \*\* Digital Badge Available
- Braces Indicate Alternate Paths

View the full catalog of courses here. For questions, contact us at nvdli@nvidia.com. These paths are suggestions and might be modified based on skill levels and desired outcomes.

# Data Center and Cloud Training

### For Administrators

#### Overview **DPU and DOCA** SELF-PACED COURSE **SELF-PACED COURSE** SELF-PACED COURSE SELF-PACED COURSE CERTIFICATION Al Infrastructure and Operations Introduction to **Getting Started With** Al Infrastructure and Operations NVIDIA BlueField DPU Administration -> **NVIDIA DOCA for DPUs NVIDIA DOCA Flow** Certification\*\* **Fundamentals** 3 Hours | \$49 2 Hours | Free 1 Hour | \$135 2 Hours | Free 7 Hours | \$49 SELF-PACED COURSE **Data Center Management** Made Easy With NVIDIA UFM 3 Hours | \$49 **NVIDIA AI Enterprise** Choose the courses that best match your learning needs. SELF-PACED COURSE **INSTRUCTOR-LED WORKSHOP INSTRUCTOR-LED WORKSHOP NVIDIA AI Enterprise Administrator: NVIDIA AI Enterprise Administrator: NVIDIA AI Enterprise Administrator Public Training Private Customized Training** 8 Hours | \$99 12 Hours | \$1,500 12 Hours | \$ Custom **Cluster Administration** SELF-PACED COURSE SELF-PACED COURSE SELF-PACED COURSE **NVIDIA Base Command NVIDIA Base Command Manager** Introduction to NVIDIA **Manager Administration Auto-Scaling Hybrid Cloud Base Command Manager** 3 Hours | Free 5 Hours | Free 3 Hours | Free **NVIDIA DGX** Choose the courses that best match your learning needs.

#### INSTRUCTOR-LED WORKSHOP

NVIDIA DGX H100 / A100 Administration: Public Workshop 12 Hours | \$1,500

#### INSTRUCTOR-LED WORKSHOP

NVIDIA DGX H100 / A100
Administration: Private Workshop
12 Hours | \$ Custom

#### INSTRUCTOR-LED WORKSHOP

NVIDIA DGX BasePOD
Administration: Private Workshop
12 Hours | \$ Custom

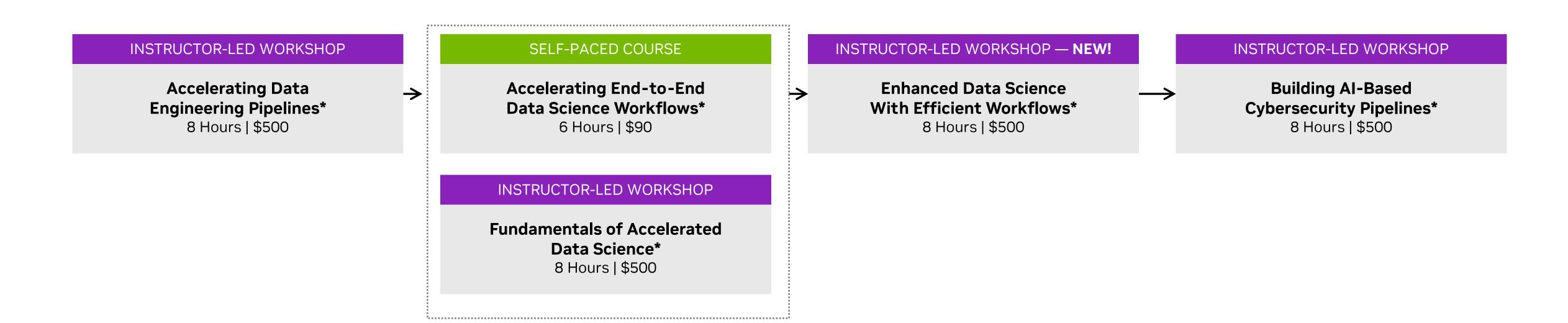
#### INSTRUCTOR-LED WORKSHOP

NVIDIA DGX SuperPOD
Administration: Private Workshop
12 Hours | \$ Custom

- \* NVIDIA Certificate of Competency
- \*\* Digital Badge Available
- **{ }** Braces Indicate Alternate Paths

# Data Science Training

## For Developers



#### SELF-PACED COURSE - **NEW!**

RAPIDS Accelerator for Apache Spark 2 Hours | \$30

#### SELF-PACED COURSE – **NEW!**

Accelerate Data Science Workflows
with Zero Code Changes
1 Hour | Free

- \* NVIDIA Certificate of Competency
- \*\* Digital Badge Available
- **{ }** Braces Indicate Alternate Paths

# Deep Learning Training For Developers

SELF-PACED COURSE SELF-PACED COURSE SELF-PACED COURSE INSTRUCTOR-LED WORKSHOP INSTRUCTOR-LED WORKSHOP Data Parallelism: How to Train Deep **Building Real-Time Disaster Risk Monitoring** Model Parallelism: Building and **Building a Brain in 10 Minutes Video AI Applications Using Satellite Imagery Learning Models on Multiple GPUs\* Deploying Large Neural Networks\*** 10 Minutes | Free 8 Hours | Free 8 Hours | \$500 8 Hours | \$90 8 Hours | \$500 SELF-PACED COURSE SELF-PACED COURSE SELF-PACED COURSE **Getting Started With Introduction to Graph Image Segmentation Neural Networks Getting Started With Deep Learning\*** 2 Hours | Free 2 Hours | \$30 8 Hours | \$90 SELF-PACED COURSE **INSTRUCTOR-LED WORKSHOP Introduction to Physics-Informed** Machine Learning With NVIDIA Modulus 4 Hours | Free Fundamentals of Deep Learning\* 8 Hours | \$500

**INSTRUCTOR-LED WORKSHOP** 

**Building Deep Learning-Based** 

**Anti-Fraud Applications** 

(Chinese Only) 8 Hours | \$500

#### **COURSE LEGEND**

SELF-PACED COURSE

at Production Scale

4 Hours | \$30

**Deploying a Model for Inference** 

- \* NVIDIA Certificate of Competency
- \*\* Digital Badge Available
- Braces Indicate Alternate Paths

# Edge Computing Training For Developers

#### SELF-PACED COURSE

#### **Getting Started With Al** on NVIDIA Jetson Nano V2\*

8 Hours | \$30

#### INSTRUCTOR-LED WORKSHOP

#### **Getting Started With Al** on NVIDIA Jetson Nano V2\* 8 Hours | \$500

#### SELF-PACED COURSE

#### **Integrating Sensors** With NVIDIA DRIVE

2 Hours | \$30

#### SELF-PACED COURSE

#### **Introduction to Robotic** Simulations in NVIDIA Isaac Sim

4 Hours | \$30

#### SELF-PACED COURSE

Assemble a Simple Robot in NVIDIA Issac Sim 30 Minutes | Free

- \* NVIDIA Certificate of Competency
- \*\* Digital Badge Available
- Braces Indicate Alternate Paths

# Generative Al and Large Language Models Training

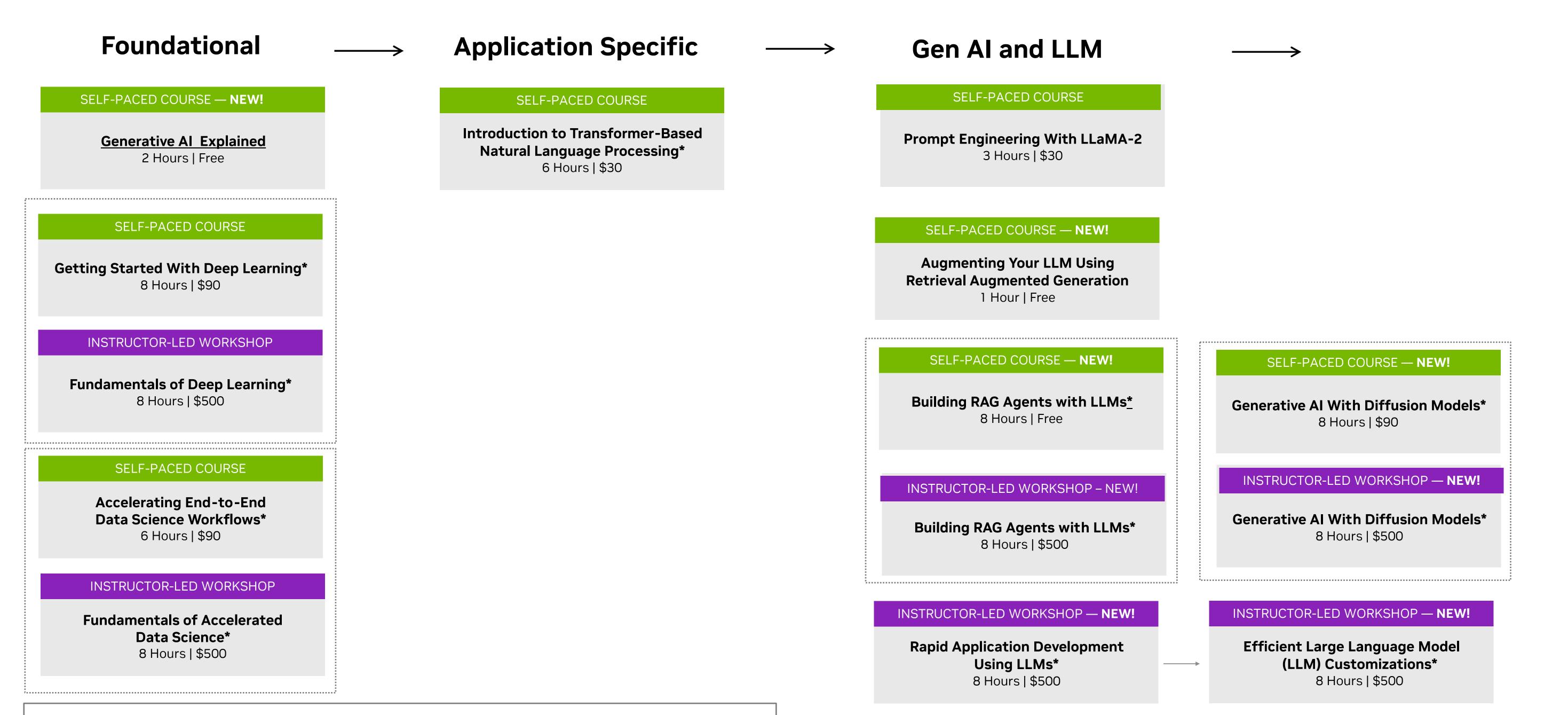
### For Developers

#### **Foundational Application Specific Generative AI and LLMs Scaled Production SELF-PACED COURSE** SELF-PACED COURSE **SELF-PACED COURSE** SELF-PACED COURSE SELF-PACED COURSE **Deploying a Model for Inference Augmenting Your LLM Using Prompt Engineering With LLaMA-2 Introduction to Transformer-Based** at Production Scale **Generative Al Explained Retrieval Augmented Generation** 3 Hours | \$30 Natural Language Processing\* 4 Hours | \$30 2 Hours | Free 1 Hour | Free 6 Hours | \$90 SELF-PACED COURSE SELF-PACED COURSE - **NEW!** SELF-PACED COURSE — **NEW! INSTRUCTOR-LED WORKSHOP** SELF-PACED COURSE **Synthetic Tabular Data Generation Deploying RAG Pipelines Techniques for Improving the Building Transformer-Based Natural Using Transformers** for Production at Scale **Effectiveness of RAG Systems Getting Started With Deep Learning\* Language Processing Applications\*** 4 Hours | \$30 3 Hours | \$90 1 Hour | Free 8 Hours | \$90 8 Hours | \$500 **INSTRUCTOR-LED WORKSHOP** SELF-PACED COURSE **INSTRUCTOR-LED WORKSHOP INSTRUCTOR-LED WORKSHOP** SELF-PACED COURSE **Data Parallelism: How to Train Deep Building Conversational Generative AI With Diffusion Models\* Fundamentals of Deep Learning\* Building RAG Agents with LLMs\* Learning Models on Multiple GPUs\*** Al Applications\* 8 Hours | \$90 8 Hours | \$500 8 Hours | \$30 8 Hours | \$500 8 Hours | \$500 **INSTRUCTOR-LED WORKSHOP INSTRUCTOR-LED WORKSHOP INSTRUCTOR-LED WORKSHOP** INSTRUCTOR-LED WORKSHOP Model Parallelism: Building and **Applications of AI for Deploying Large Neural Networks\* Anomaly Detection\* Generative AI With Diffusion Models\* Building RAG Agents with LLMs\*** 8 Hours \$500 8 Hours | \$500 8 Hours | \$500 8 Hours | \$500 **INSTRUCTOR-LED WORKSHOP** INSTRUCTOR-LED WORKSHOP INSTRUCTOR-LED WORKSHOP Applications of AI for **Predictive Maintenance\* Efficient Large Language Model** Rapid Application Development 8 Hours | \$500 (LLM) Customizations\* Using LLMs\* 8 Hours | \$500 8 Hours | \$500

- \* NVIDIA Certificate of Competency
- \*\* Digital Badge Available
- **Braces Indicate Alternate Paths**



# Recommended Training for Gen Al LLM Certification



### Additional resources to prepare for the exam:

- Getting Started with Large Language Models for Enterprise Solutions (blog, 20 minutes)
- The Fast Path to Developing With LLMs (Video on demand, 50 minutes)
- Running Your Own LLM (Video on demand, 40 minutes)
- What Is Retrieval-Augmented Generation aka RAG? (Blog, 15 minutes)
- <u>Trustworthy AI</u> (Webpage)

#### **COURSE LEGEND**

Certification

CERTIFICATION

**Generative Al** 

**Large Language Models** 

1 Hour Exam | \$135

- \* NVIDIA Certificate of Competency
- \*\* Digital Badge Available
- Braces Indicate Alternate Paths

# Recommended Training for Gen Al Multimodal Certification

Gen Al and LLM Scaled Production ----> **Application Specific** ———> Certification Foundational -----> CERTIFICATION SELF-PACED COURSE — **NEW! INSTRUCTOR-LED WORKSHOP** SELF-PACED COURSE **SELF-PACED COURSE Generative Al Building Conversational Introduction to Transformer-Based** Deploying a Model for Inference **Generative AI Explained Multimodal Associate** Al Applications\* **Natural Language Processing\*** at Production Scale 2 Hours | Free 1 Hour Exam | \$135 8 Hours | \$500 6 Hours | \$30 4 Hours | \$30 SELF-PACED COURSE — **NEW!** SELF-PACED COURSE **INSTRUCTOR-LED WORKSHOP Computer Vision for Getting Started With Deep Learning\* Generative AI With Diffusion Models\*** Industrial Inspection\* 8 Hours | \$90 8 Hours | \$90 8 Hours | \$500 **INSTRUCTOR-LED WORKSHOP** INSTRUCTOR-LED WORKSHOP INSTRUCTOR-LED WORKSHOP — **NEW! Applications of AI for Generative AI With Diffusion Models\* Fundamentals of Deep Learning\* Anomaly Detection\*** 8 Hours | \$500 8 Hours | \$500 8 Hours | \$500 **INSTRUCTOR-LED WORKSHOP** INSTRUCTOR-LED WORKSHOP — **NEW!** INSTRUCTOR-LED WORKSHOP — **NEW! SELF-PACED COURSE Applications of AI for Rapid Application Development Efficient Large Language Model Predictive Maintenance\* Accelerating End-to-End** (LLM) Customizations\* Using LLMs\* 8 Hours | \$500 **Data Science Workflows\*** 8 Hours | \$500 8 Hours | \$500 6 Hours | \$90 INSTRUCTOR-LED WORKSHOP Fundamentals of Accelerated Data Science\* 8 Hours | \$500

### Additional resources to prepare for the exam:

- <u>High-Resolution Image Synthesis via Two-Stage Generative Models</u> (Video on demand, 35 minutes)
- Accelerated Creative AI –Using NVIDIA-optimized image generation for Media and Entertainment (Webinar on demand, 1 hour)
- Building Lifelike Digital Avatars with NVIDIA ACE Microservices (Blog, 15 minutes)
- The Future of Generative AI for Content Creation (Video on demand, 35 minutes)

- \* NVIDIA Certificate of Competency
- \*\* Digital Badge Available
- **Braces Indicate Alternate Paths**

# Infrastructure for Generative AI and Large Language Models Training

For Administrators

#### Overview

SELF-PACED COURSE

Al Infrastructure and Operations **Fundamentals** 

7 Hours | \$49

#### CERTIFICATION

**Al Infrastructure and Operations** Certification\*\* 1 Hour | \$135

#### **NVIDIA AI Enterprise**

SELF-PACED COURSE

**NVIDIA AI Enterprise Administrator** 8 Hours | \$99

#### **INSTRUCTOR-LED WORKSHOP**

**NVIDIA AI Enterprise Administrator: Public Training** 12 Hours | \$1,500

#### **INSTRUCTOR-LED WORKSHOP**

**NVIDIA AI Enterprise Administrator: Private Customized Training** 12 Hours | \$ Custom

#### SELF-PACED COURSE

**RAPIDS Accelerator for Apache Spark** 2 Hours | \$30

#### **NVIDIA DGX**

**INSTRUCTOR-LED WORKSHOP** 

**NVIDIA DGX H100 / A100 Administration: Public Workshop** 12 Hours | \$1,500

#### **INSTRUCTOR-LED WORKSHOP**

**NVIDIA DGX H100 / A100 Administration: Private Workshop** 12 Hours | \$ Custom

#### **INSTRUCTOR-LED WORKSHOP**

**NVIDIA DGX BasePOD Administration: Private Workshop** 12 Hours | \$ Custom

#### **INSTRUCTOR-LED WORKSHOP**

**NVIDIA DGX SuperPOD Administration: Private Workshop** 12 Hours | \$ Custom

#### Introduction to Networking

SELF-PACED COURSE

Introduction to Networking 1 Hour | Free

#### SELF-PACED COURSE

**InfiniBand Essentials** 

1.5 Hours | Free

#### **Additional Recommended Training**

SELF-PACED COURSE

**Introduction to NVIDIA Base Command Manager** 3 Hours | Free

#### SELF-PACED COURSE

Data Center Management Made Easy With NVIDIA UFM 3 Hours | \$49

#### SELF-PACED COURSE

Introduction to **NVIDIA DOCA for DPUs** 2 Hours | Free

#### SELF-PACED COURSE

**Getting Started With NVIDIA DOCA Flow** 2 Hours | Free

- \* NVIDIA Certificate of Competency
- \*\* Digital Badge Available
- Braces Indicate Alternate Paths

# Industry-Related Training

### For Developers

#### **Energy**

INSTRUCTOR-LED WORKSHOP

Computer Vision for Industrial Inspection\*
8 Hours | \$500

INSTRUCTOR-LED WORKSHOP

#### **Financial Services**

SELF-PACED COURSE

Digital Fingerprinting With NVIDIA Morpheus

1 Hour | Free

INSTRUCTOR-LED WORKSHOP

Anomaly Detection\*
8 Hours | \$500

**Applications of AI for** 

Applications of Al for Predictive Maintenance\*
8 Hours | \$500

#### INSTRUCTOR-LED WORKSHOP

Building Al-Based Cybersecurity Pipelines 8 Hours | \$500

#### Manufacturing

**INSTRUCTOR-LED WORKSHOP** 

Computer Vision for Industrial Inspection\*
8 Hours | \$500

INSTRUCTOR-LED WORKSHOP

Applications of Al for Predictive Maintenance\*

8 Hours | \$500

#### **Transportation**

SELF-PACED COURSE

Integrating Sensors
With NVIDIA DRIVE
2 Hours | \$30

#### .....

**Healthcare and Life Sciences** 

Getting Started With Deep Learning\*
8 Hours | \$90

INSTRUCTOR-LED WORKSHOP

Fundamentals of Deep Learning\*
8 Hours | \$500

INSTRUCTOR-LED WORKSHOP

Data Parallelism: How to Train Deep Learning Models on Multiple GPUs\* 8 Hours | \$500 INSTRUCTOR-LED WORKSHOP

Model Parallelism: Building and Deploying Large Neural Networks\*

8 Hours | \$500

- \* NVIDIA Certificate of Competency
- \*\* Digital Badge Available
- Braces Indicate Alternate Paths

# Networking Training

### For Administrators

#### Overview

SELF-PACED COURSE

Introduction to Networking

1 Hour | Free

#### **NVIDIA Cumulus**

INSTRUCTOR-LED WORKSHOP

**NVIDIA Cumulus Linux: Public Boot Camp** 

12 Hours | \$1,500

INSTRUCTOR-LED WORKSHOP

**NVIDIA Cumulus Linux: Private Customized Workshop** 

20 Hours | \$ Custom

#### Other

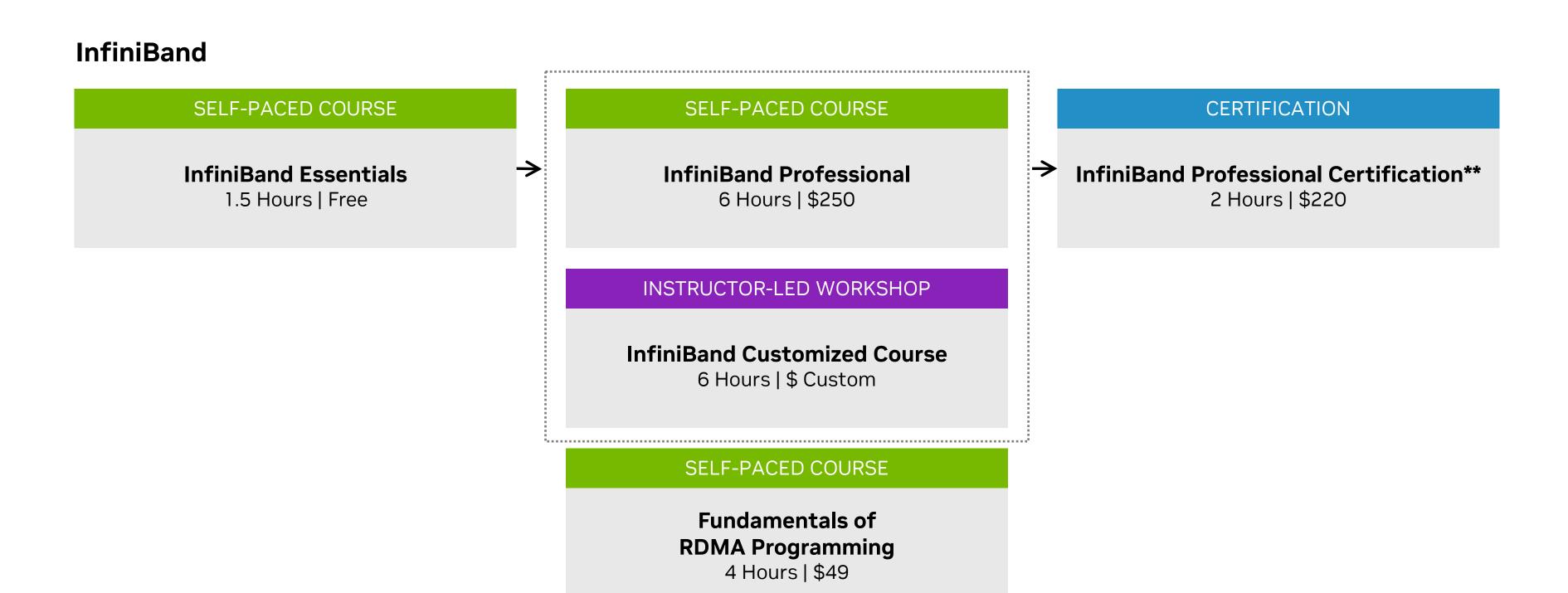
SELF-PACED COURSE

**Network Administration With NVIDIA Onyx Switch System** 

3 Hours | \$99

SELF-PACED COURSE

**RDMA Over Converged** Ethernet from A to Z 10 Hours | Free



- \* NVIDIA Certificate of Competency
- \*\* Digital Badge Available
- Braces Indicate Alternate Paths

# Simulation, Data Modeling, and Design Training

### For Developers and Administrators

#### **Omniverse Kit-based Development**

#### SELF-PACED COURSE

**Essentials of Developing NVIDIA Omniverse Kit Applications** 

2 Hours | Free

#### SELF-PACED COURSE

**Build Beautiful, Custom UI for 3D Tools n NVIDIA Omniverse** 90 Minutes | Free

#### SELF-PACED COURSE

**Easily Develop Advanced 3D Layout Tools on NVIDIA Omniverse** 90 Minutes | Free

#### SELF-PACED COURSE

**How to Build Custom 3D Scene** Manipulator Tools on NVIDIA Omniverse

90 Minutes | Free

#### **SELF-PACED COURSE**

Develop, Customize, and Publish in **NVIDIA Omniverse With Extensions** 8 Hours | Free

#### Simulation and Synthetic Data

#### SELF-PACED COURSE

**Introduction to Robotic** Simulations in NVIDIA Isaac Sim 4 Hours | \$30

#### **INSTRUCTOR-LED WORKSHOP**

**Bootstrapping Computer Vision** Models With Synthetic Data\* 8 Hours | \$500

#### SELF-PACED COURSE - **NEW!**

Synthetic Tabular Data Generation **Using Transformers** 4 Hours | \$30

#### INSTRUCTOR-LED WORKSHOP

**Building Digital Avatar Pipelines With** Omniverse Audio2Face and Riva\*

#### **Generative Al**

SELF-PACED COURSE — **NEW!** 

**Generative AI Explained** 2 Hours | Free

(Chinese) 8 Hours | \$500

#### OpenUSD Fundamentals and Development

#### SELF-PACED COURSE

**Getting Started With USD for Collaborative 3D Workflows** 

4 Hours | Free

#### SELF-PACED COURSE - NEW!

**Fundamentals of Working with** OpenUSD 2 Hours | Free

#### SELF-PACED COURSE

**Essentials of USD in NVIDIA Omniverse** 2 Hours | Free

#### SELF-PACED COURSE - **NEW!**

**Building a 3D Product Configurator** with OpenUSD And Omniverse 2 Hours | Free

#### SELF-PACED COURSE - **NEW!**

**How to Build Native OpenUSD XR Applications** 2 Hours | Free

#### SELF-PACED COURSE - NEW!

SELF-PACED COURSE

**Assemble a Simple Robot** 

in NVIDIA Issac Sim

30 Minutes | Free

SELF-PACED COURSE

**Synthetic Data Generation for** 

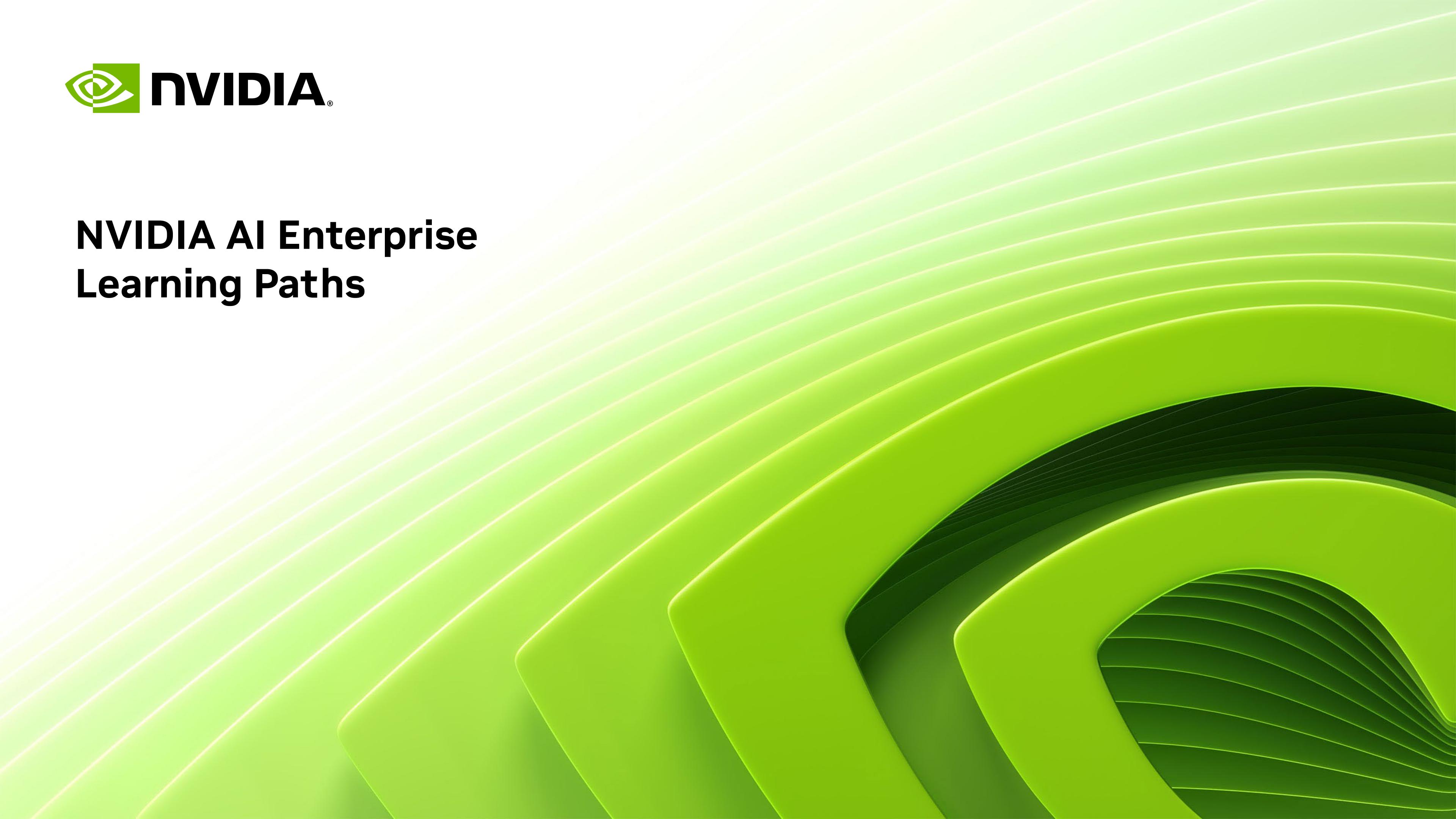
**Training Computer Vision Models** 

3 Hours | \$30

**How to Build OpenUSD Applications** for Industrial Digital Twins 2 Hours | Free

- \* NVIDIA Certificate of Competency
- \*\* Digital Badge Available
- Braces Indicate Alternate Paths





# **NVIDIA AI Enterprise Training and Certification**

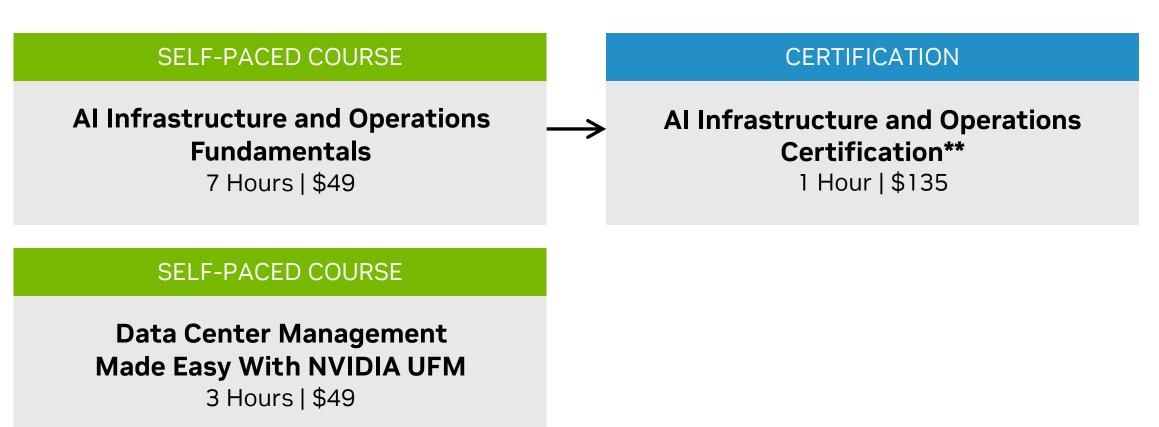
Training in Three Key Areas

MLOps Al Applications NVIDIA AI Enterprise Al Use Cases and Workflows Workload and Infrastructure Management ••• **Model Deployment** Content Cybersecurity Data Creation Computer Vision Generation Triton Management Service apapapa Hello **Cloud Native Management** and Orchestration Predictive Digital Assistants Digital Twins More Maintenance GPU Operator/Network Operator Al Development Cluster Management Base Command Manager Essentials Data Prep **Model Training** TAO, PyTorch/TensorFlow RAPIDS Infra Acceleration Libraries Deploy at Scale Simulate and Test Magnum IO, vGPU, CUDA Triton Inference Server TensorRT Edge

**NVIDIA AI Enterprise** Workload and Infrastructure Management

### Workload and Infrastructure Management

#### **Fundamentals**



#### **NVIDIA AI Enterprise**

SELF-PACED COURSE

**NVIDIA AI Enterprise Administrator** 8 Hours | \$99

**INSTRUCTOR-LED WORKSHOP** 

**NVIDIA AI Enterprise Administrator: Public Training** 12 Hours | \$1,500

**INSTRUCTOR-LED WORKSHOP** 

**NVIDIA AI Enterprise Administrator: Private Customized Training** 12 Hours | \$ Custom

SELF-PACED COURSE

**RAPIDS Accelerator for Apache Spark** 2 Hours | \$30

NVIDIA Base Command Manager Choose the courses that best match your learning needs.



INSTRUCTOR-LED WORKSHOP

**NVIDIA Base Command Manager: Private Custom Training** 12 Hours | \$ Custom

**NVIDIA DGX** Choose the courses that best match your learning needs.

#### **INSTRUCTOR-LED WORKSHOP**

NVIDIA DGX H100 / A100 **Administration: Public Workshop** 12 Hours | \$1,500

**INSTRUCTOR-LED WORKSHOP** 

NVIDIA DGX H100 / A100 **Administration: Private Workshop** 12 Hours | \$ Custom

**INSTRUCTOR-LED WORKSHOP** 

**NVIDIA DGX BasePOD Administration: Private Workshop** 12 Hours | \$ Custom

INSTRUCTOR-LED WORKSHOP

**NVIDIA DGX SuperPOD Administration: Private Workshop** 12 Hours | \$ Custom

- \* NVIDIA Certificate of Competency
- \*\* Digital Badge Available
- Braces Indicate Alternate Paths



**NVIDIA AI Enterprise** Al Use Cases & Workflows

### Al Use Cases and Workflows

### Computer Vision and Video Analytics

SELF-PACED COURSE

**Getting Started With Deep Learning\*** 8 Hours | \$90

**INSTRUCTOR-LED WORKSHOP** 

**Fundamentals of Deep Learning\*** 8 Hours | \$500

INSTRUCTOR-LED WORKSHOP — **NEW!** 

**Bootstrapping Computer Vision** Models With Synthetic Data\*

8 Hours | \$500

SELF-PACED COURSE

**Getting Started With Image Segmentation** 2 Hours | Free

**INSTRUCTOR-LED WORKSHOP** 

**Applications of Al for Anomaly Detection\*** 8 Hours | \$500

**INSTRUCTOR-LED WORKSHOP** 

**Applications of AI for Predictive Maintenance\*** 8 Hours | \$500

SELF-PACED COURSE

**Building Real-Time Video Al Applications** 8 Hours | \$90

SELF-PACED COURSE

**Disaster Risk Monitoring Using Satellite Imagery** 8 Hours | Free

INSTRUCTOR-LED WORKSHOP

**Computer Vision for** Industrial Inspection\* 8 Hours | \$500

SELF-PACED COURSE — **NEW!** 

**Synthetic Data Generation for Training Computer Vision Models** 3 Hours | \$30

SELF-PACED COURSE

**Deploying a Model for Inference** at Production Scale 4 Hours | \$30

**Getting Started With Al** on NVIDIA Jetson Nano\* 8 Hours | Free

SELF-PACED COURSE

- \* NVIDIA Certificate of Competency
- \*\* Digital Badge Available
- Braces Indicate Alternate Paths

### Al Use Cases and Workflows

### **Content Generation**

#### **Foundational**

#### SELF-PACED COURSE

**Generative AI Explained** 2 Hours | Free

#### SELF-PACED COURSE

**Getting Started With Deep Learning\*** 8 Hours | \$90

INSTRUCTOR-LED WORKSHOP

**Fundamentals of Deep Learning\*** 8 Hours | \$500

#### **Application Specific**

#### SELF-PACED COURSE

**Introduction to Transformer-Based Natural Language Processing\*** 6 Hours | \$30

#### **INSTRUCTOR-LED WORKSHOP**

**Building Transformer-Based Natural** Language Processing Applications\* 8 Hours | \$500

#### **INSTRUCTOR-LED WORKSHOP**

**Building Conversational** Al Applications\* 8 Hours | \$500

#### GenAl and LLM

#### SELF-PACED COURSE

**Prompt Engineering With LLaMA-2** 3 Hours | Free

#### SELF-PACED COURSE - **NEW!**

**Synthetic Tabular Data Generation Using Transformers** 4 Hours | \$30

#### SELF-PACED COURSE — **NEW!**

**Generative AI With Diffusion Models\*** 8 Hours | \$90

#### **INSTRUCTOR-LED WORKSHOP**

**Generative AI With Diffusion Models\*** 8 Hours | \$500

#### INSTRUCTOR-LED WORKSHOP — **NEW!**

Rapid Application Development Using LLMs\* 8 Hours | \$500

SELF-PACED COURSE

**Augmenting Your LLM Using Retrieval Augmented Generation** 1 Hour | Free

#### SELF-PACED COURSE

**Building RAG Agents with LLMs\*** 8 Hours | Free

#### INSTRUCTOR-LED WORKSHOP – NEW!

**Building RAG Agents with LLMs\*** 8 Hours | \$500

#### INSTRUCTOR-LED WORKSHOP — **NEW!**

**Efficient Large Language Model** (LLM) Customizations\* 8 Hours | \$500

#### **Scaled Production**

#### **SELF-PACED COURSE**

**Deploying a Model for Inference** at Production Scale 4 Hours | \$30

#### **INSTRUCTOR-LED WORKSHOP**

**Data Parallelism: How to Train Deep Learning Models on Multiple GPUs\*** 8 Hours | \$500

#### INSTRUCTOR-LED WORKSHOP

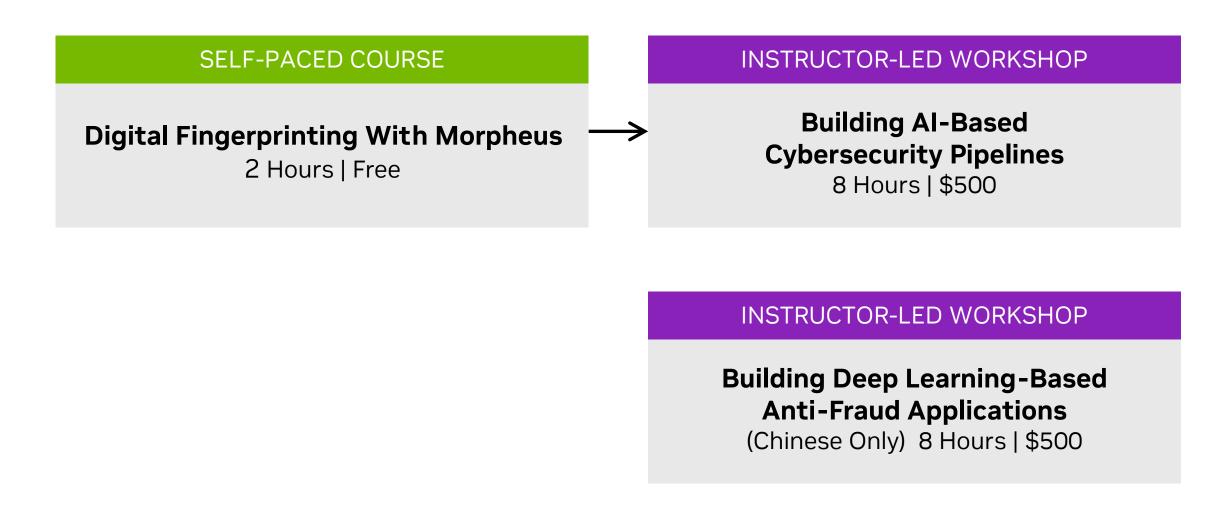
**Model Parallelism: Building and Deploying Large Neural Networks\*** 8 Hours | \$500

- \* NVIDIA Certificate of Competency
- \*\* Digital Badge Available
- Braces Indicate Alternate Paths



Al Use Cases and Workflows

### **Cybersecurity & Fraud Detection**



- \* NVIDIA Certificate of Competency
- \*\* Digital Badge Available
- **{ }** Braces Indicate Alternate Paths

Al Use Cases and Workflows

### **Data Creation**

**INSTRUCTOR-LED WORKSHOP** 

**Bootstrapping Computer Vision** Models With Synthetic Data\* 8 Hours | \$500

SELF-PACED COURSE - **NEW!** 

Synthetic Tabular Data Generation **Using Transformers** 4 Hours | \$30

### Digital Assistants

# SELF-PACED COURSE

**Generative AI Explained** 2 Hours | Free

#### SELF-PACED COURSE

**Getting Started With Deep Learning\*** 8 Hours | \$90

INSTRUCTOR-LED WORKSHOP

**Fundamentals of Deep Learning\*** 8 Hours | \$500

#### SELF-PACED COURSE

**Introduction to Transformer-Based** Natural Language Processing\* 6 Hours | \$30

#### INSTRUCTOR-LED WORKSHOP

**Building Transformer-Based Natural Language Processing Applications\*** 8 Hours | \$500

#### INSTRUCTOR-LED WORKSHOP

**Building Conversational** Al Applications\* 8 Hours | \$500

#### **INSTRUCTOR-LED WORKSHOP**

Data Parallelism: How to Train Deep **Learning Models on Multiple GPUs\*** 8 Hours | \$500

#### INSTRUCTOR-LED WORKSHOP

Model Parallelism: Building and Deploying Large Neural Networks\* 8 Hours | \$500

- \* NVIDIA Certificate of Competency
- \*\* Digital Badge Available
- Braces Indicate Alternate Paths

### Al Use Cases and Workflows

### **Digital Twins**

SELF-PACED COURSE

Getting Started With USD for Collaborative 3D Workflows
4 Hours | Free

SELF-PACED COURSE - NEW!

Fundamentals of Working with
OpenUSD
2 Hours | Free

SELF-PACED COURSE

Essentials of USD in NVIDIA Omniverse
2 Hours | Free

SELF-PACED COURSE - **NEW!** 

Building a 3D Product Configurator with OpenUSD And Omniverse

2 Hours | Free

SELF-PACED COURSE – **NEW!** 

How to Build Native OpenUSD

XR Applications

2 Hours | Free

SELF-PACED COURSE - NEW!

How to Build OpenUSD Applications for Industrial Digital Twins 2 Hours | Free

### **Predictive Maintenance**

INSTRUCTOR-LED WORKSHOP

Computer Vision for Industrial Inspection\*
8 Hours | \$500

INSTRUCTOR-LED WORKSHOP

Applications of Al for Predictive Maintenance\*

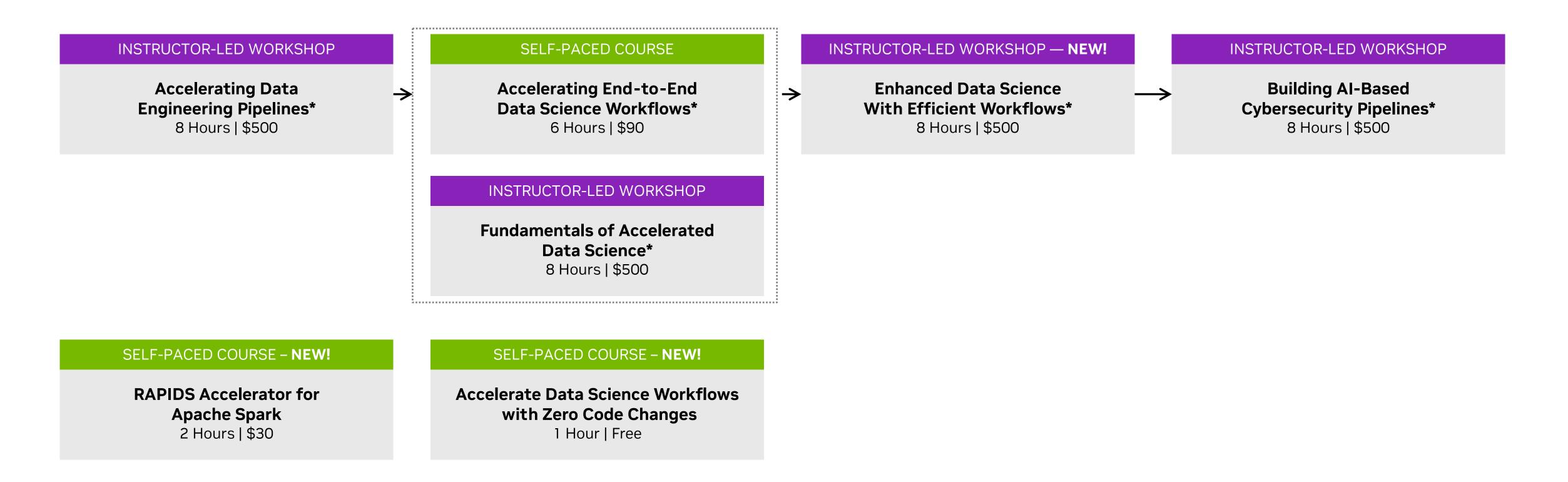
8 Hours | \$500

- NVIDIA Certificate of Competency
- \*\* Digital Badge Available
- **{ }** Braces Indicate Alternate Paths

**NVIDIA AI Enterprise** Al Development

## Al Development

### Data Prep (Rapids)



- \* NVIDIA Certificate of Competency
- \*\* Digital Badge Available
- { } Braces Indicate Alternate Paths



### Al Development

### Model Training (TAO PyTorch/Tensor Flow)

SELF-PACED COURSE

Building a Brain in 10 Minutes
10 Minutes | Free

SELF-PACED COURSE

**Getting Started With Deep Learning\*** 

8 Hours | \$90

INSTRUCTOR-LED WORKSHOP

Fundamentals of Deep Learning\* 8 Hours | \$500 SELF-PACED COURSE

Building Real-Time Video Al Applications 8 Hours | \$90

SELF-PACED COURSE

Getting Started With Image Segmentation
2 Hours | Free

SELF-PACED COURSE

Introduction to Physics-Informed
Machine Learning With NVIDIA Modulus
4 Hours | Free

INSTRUCTOR-LED WORKSHOP

Building Deep Learning-Based Anti-Fraud Applications (Chinese Only) 8 Hours | \$500 SELF-PACED COURSE

Disaster Risk Monitoring
Using Satellite Imagery
8 Hours | Free

SELF-PACED COURSE

Introduction to Graph Neural Networks 2 Hours | \$30 INSTRUCTOR-LED WORKSHOP

Data Parallelism: How to Train Deep Learning Models on Multiple GPUs\* 8 Hours | \$500 INSTRUCTOR-LED WORKSHOP

Model Parallelism: Building and Deploying Large Neural Networks\*

8 Hours | \$500

SELF-PACED COURSE

Deploying a Model for Inference at Production Scale 4 Hours | \$30

- \* NVIDIA Certificate of Competency
- \*\* Digital Badge Available
- { } Braces Indicate Alternate Paths



## Al Development

### Simulation & Test (TensorRT)

#### SELF-PACED COURSE

Building Real-Time Video Al Applications 8 Hours | \$90

#### SELF-PACED COURSE

Disaster Risk Monitoring
Using Satellite Imagery
8 Hours | Free

#### INSTRUCTOR-LED WORKSHOP

Computer Vision for Industrial Inspection\*
8 Hours | \$500

#### SELF-PACED COURSE — **NEW!**

Synthetic Data Generation for Training Computer Vision Models
3 Hours | \$30

#### SELF-PACED COURSE

Deploying a Model for Inference at Production Scale 4 Hours | \$30

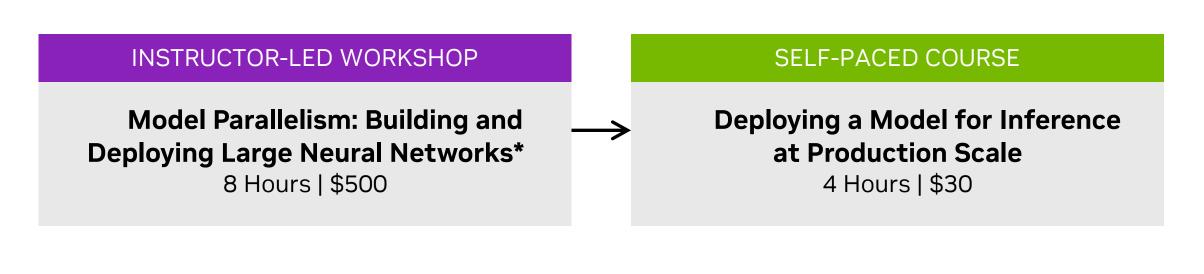
- \* NVIDIA Certificate of Competency
- \*\* Digital Badge Available
- { } Braces Indicate Alternate Paths



Al Development

### Deploy & Scale (Triton)





- \* NVIDIA Certificate of Competency
- \*\* Digital Badge Available
- { } Braces Indicate Alternate Paths

