NVIDIA Learning Paths by Role and Topic

Table of contents

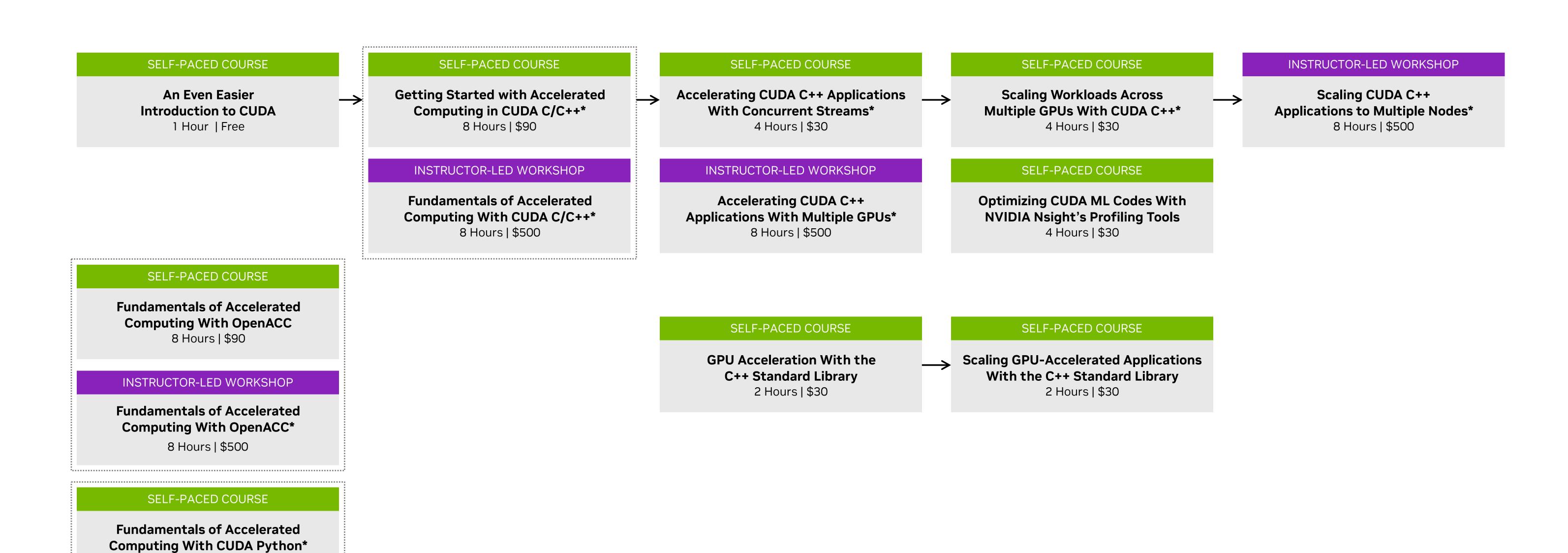
For Developers	For Administrators
Accelerated Computing	Accelerated Computing
Computer Vision and Video Analytics	<u>Data Center Overview</u>
Cybersecurity and Fraud Detection	Data Center and Cloud
<u>Data Science</u>	Infrastructure for Generative Al and LLMs
<u>Deep Learning</u>	NVIDIA AI Enterprise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

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



Accelerated Computing Training

For developers



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**

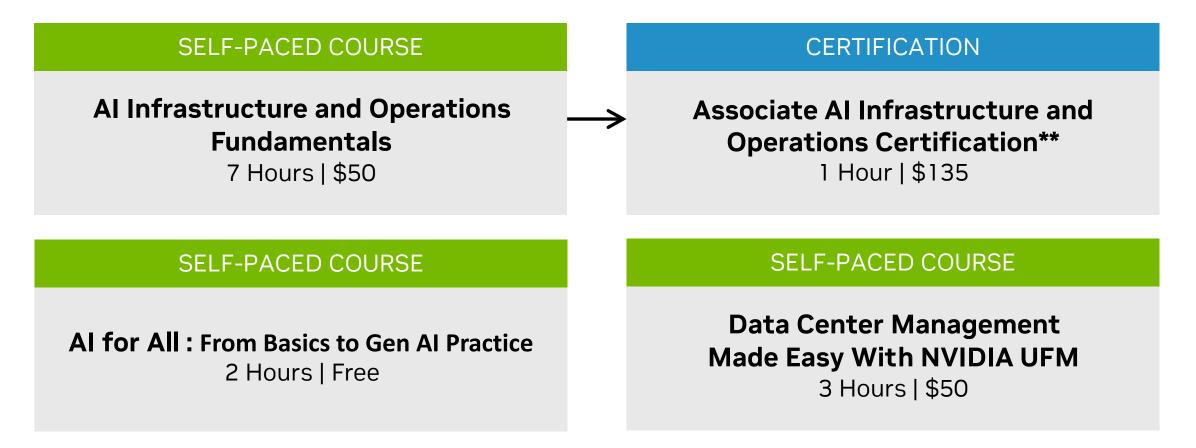




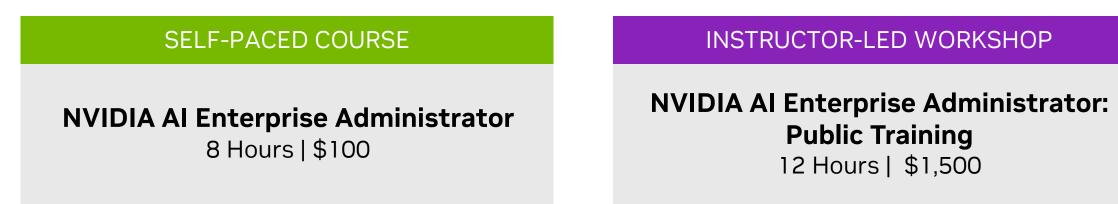
Accelerated Computing Training

For administrators

Overview



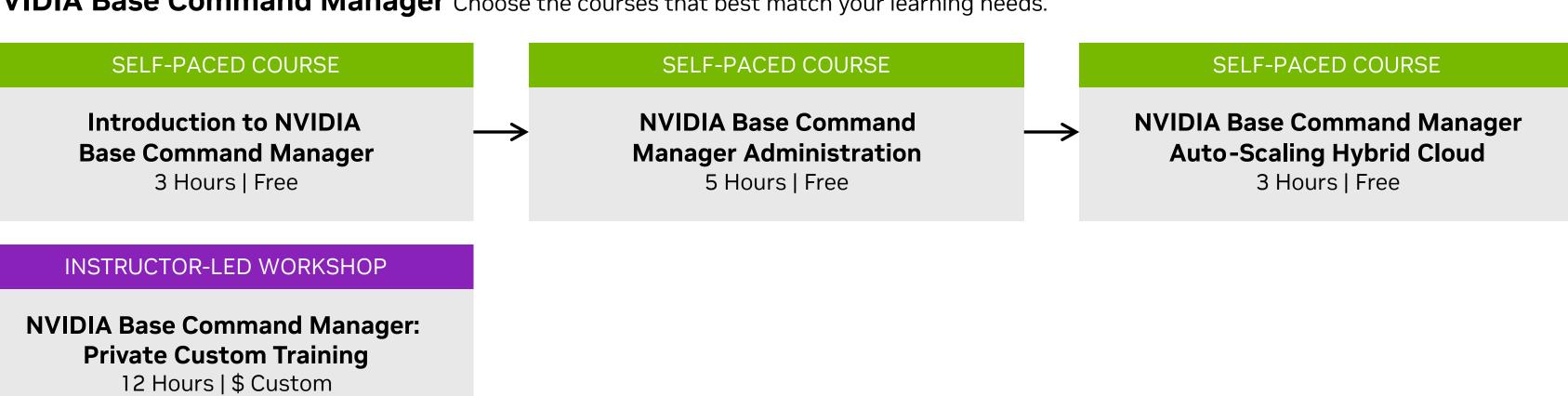
NVIDIA AI Enterprise Choose the courses that best match your learning needs.



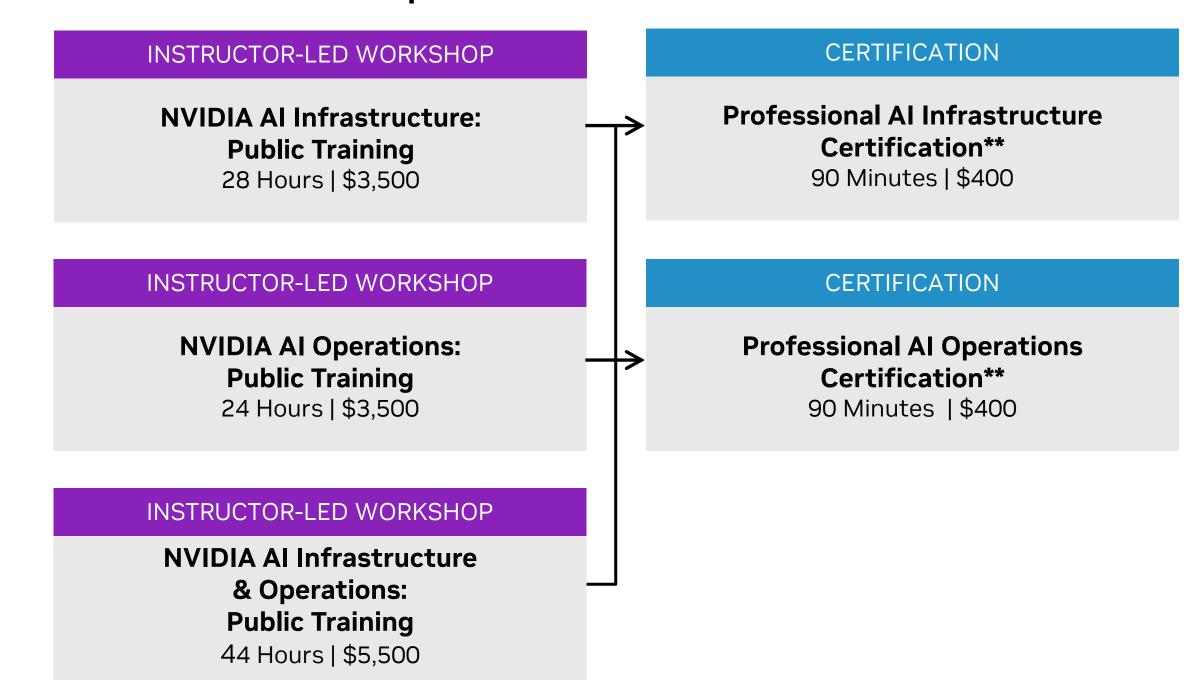
INSTRUCTOR-LED WORKSHOP

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

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



Al Infrastructure and Operations



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

NVIDIA DGX System Administration: Public Workshop 12 Hours | \$1,500

INSTRUCTOR-LED WORKSHOP

INSTRUCTOR-LED WORKSHOP

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

INSTRUCTOR-LED WORKSHOP

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

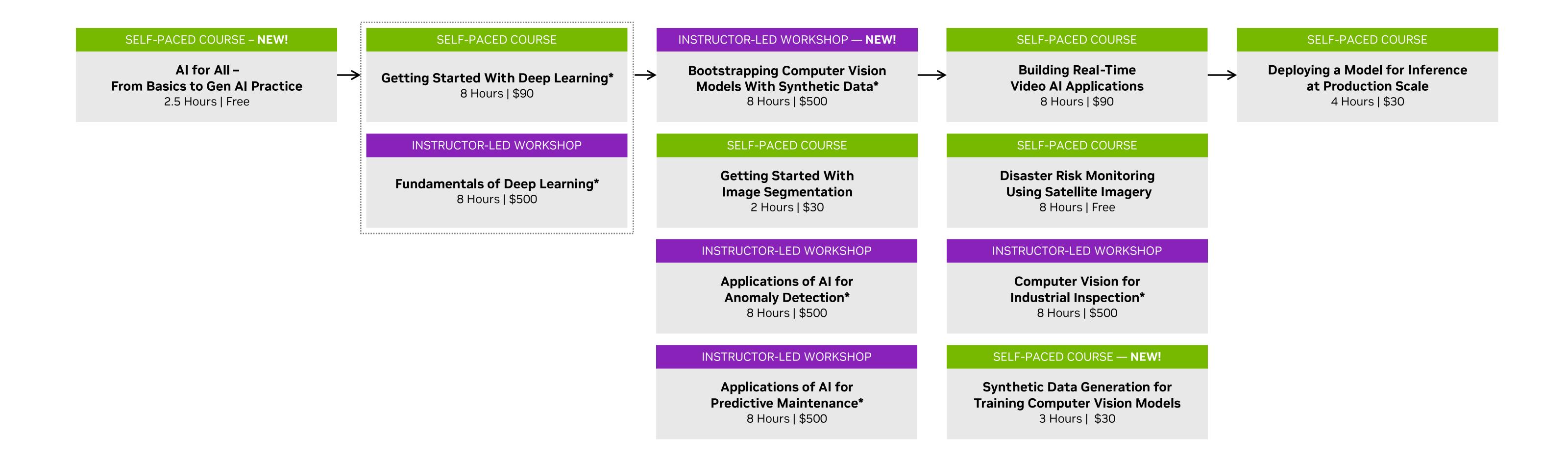
INSTRUCTOR-LED WORKSHOP

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

Getting Started With Al on NVIDIA Jetson Nano*

8 Hours | Free

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

Cybersecurity and Fraud Detection Training

For developers

SELF-PACED COURSE

Digital Fingerprinting With Morpheus
1 Hour | Free

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

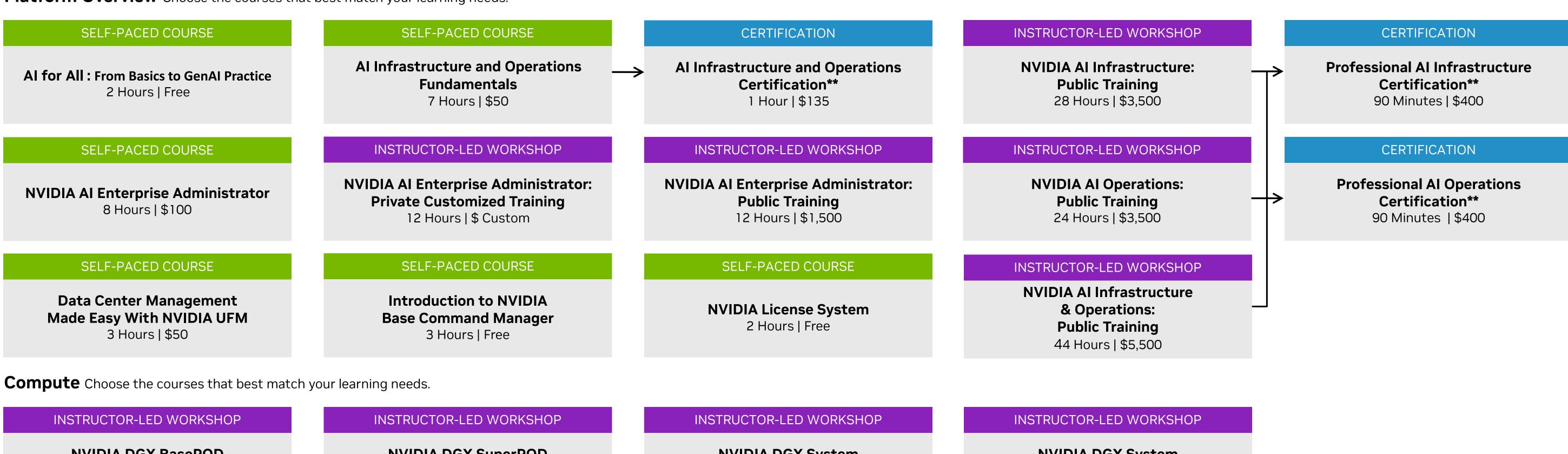
- * NVIDIA Certificate of Competency
- ** Digital Badge Available
- { } Braces Indicate Alternate Paths



Data Center Overview Training

For administrators

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



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

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

NVIDIA
Administratio
12 Ho

NVIDIA DGX System
Administration: Public Workshop
12 Hours | \$1,500

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

Networking Choose the courses that best match your learning needs.



SELF-PACED COURSE

NVIDIA BlueField DPU Administration 3 Hours | \$50

SELF-PACED COURSE

InfiniBand Essentials
1.5 Hours | Free

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

SELF-PACED COURSE

Network Administration With NVIDIA Onyx Switch System 3 Hours | \$100

SELF-PACED COURSE

Fundamentals of RDMA Programming 4 Hours | \$50

SELF-PACED COURSE

Ansible Essentials for Network Engineers 3 Hours | \$50

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



Data Center and Cloud Training

For administrators

Overview SELF-PACED COURSE SELF-PACED COURSE CERTIFICATION Al Infrastructure and Operations Al Infrastructure and Operations Al for All: From Basics to GenAl Practice **Fundamentals** Certification** 2 Hours | Free 7 Hours | \$50 1 Hour | \$135 DPU SELF-PACED COURSE **Data Center Management** SELF-PACED COURSE Made Easy With NVIDIA UFM 3 Hours | \$50 **NVIDIA BlueField DPU Administration** 3 Hours | \$50 **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 | \$100 12 Hours | \$ Custom 12 Hours | \$1,500 **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** 5 Hours | Free 3 Hours | Free 3 Hours | Free **NVIDIA DGX** Choose the courses that best match your learning needs. **INSTRUCTOR-LED WORKSHOP INSTRUCTOR-LED WORKSHOP INSTRUCTOR-LED WORKSHOP NVIDIA DGX System NVIDIA DGX System NVIDIA DGX BasePOD Administration: Private Workshop Administration: Public Workshop Administration: Private Workshop Administration: Private Workshop** 12 Hours | \$1,500 12 Hours | \$ Custom 12 Hours | \$ Custom

Al Infrastructure and Operations CERTIFICATION **INSTRUCTOR-LED WORKSHOP NVIDIA AI Infrastructure: Professional AI Infrastructure Public Training** Certification** 90 Minutes | \$400 28 Hours | \$3,500 CERTIFICATION **INSTRUCTOR-LED WORKSHOP NVIDIA AI Operations: Professional AI Operations Public Training** Certification** 24 Hours | \$3,500 90 Minutes | \$400 **INSTRUCTOR-LED WORKSHOP NVIDIA AI Infrastructure** & Operations: **Public Training**

44 Hours | \$5,500

COURSE LEGEND

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

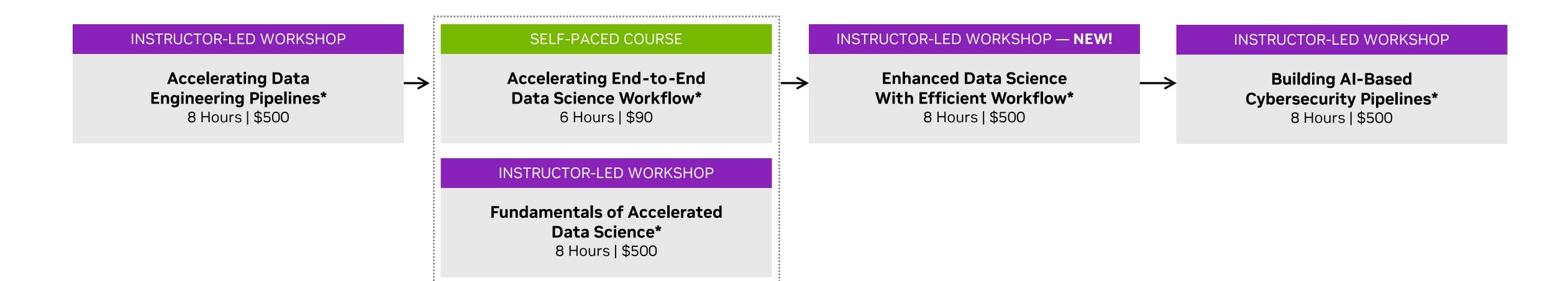
INSTRUCTOR-LED WORKSHOP

NVIDIA DGX SuperPOD

12 Hours | \$ Custom

Data Science Training

For developers



SELF-PACED COURSE — **NEW!**

RAPIDS Accelerator for Apache Spark 2 Hours | \$30

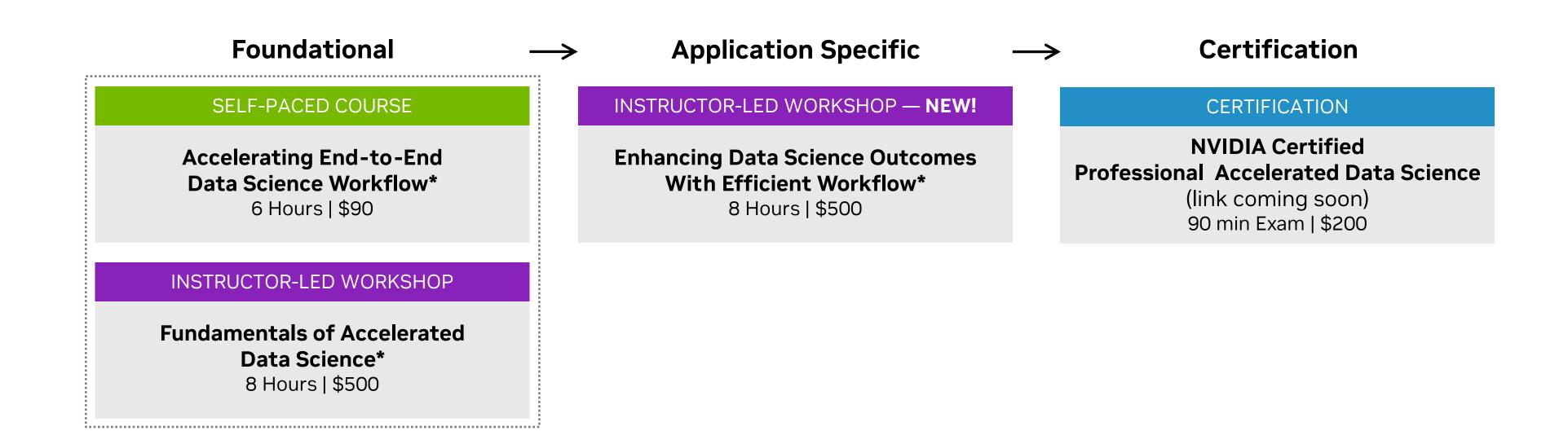
SELF-PACED COURSE — **NEW!**

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

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

Data Science Recommended Training for Certification

For developers



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

Deep Learning Training For developers

INSTRUCTOR-LED WORKSHOP

Data Parallelism: How to Train Deep

Learning Models on Multiple GPUs*

8 Hours | \$500

SELF-PACED COURSE SELF-PACED COURSE SELF-PACED COURSE **Building Real-Time Disaster Risk Monitoring** Building a Brain in 10 Minutes Video Al Applications **Using Satellite Imagery** 10 Minutes | Free 8 Hours | \$90 8 Hours | Free SELF-PACED COURSE — **NEW!** SELF-PACED COURSE SELF-PACED COURSE Al for All -**Getting Started With Introduction to Graph** From Basics to Gen Al Practice **Image Segmentation Neural Networks** 2 Hours | \$30 2.5 Hours | Free 2 Hours | \$30 SELF-PACED COURSE SELF-PACED COURSE **Get Started with Highly Accurate Getting Started With Deep Learning* Custom ASR for Speech AI** 8 Hours | \$90 **3** Hours | \$30 **SELF-PACED COURSE INSTRUCTOR-LED WORKSHOP** Introduction to Physics-Informed Fundamentals of Deep Learning* Machine Learning With NVIDIA Modulus 8 Hours | \$500 4 Hours | \$30 **INSTRUCTOR-LED WORKSHOP Building Deep Learning-Based** Anti-Fraud Applications (Chinese Only) 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

COURSE LEGEND

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

© 2025 NVIDIA Corporation and affiliates. All rights reserved. NVIDIA constantly develops new courses and updates current content. Courses may be added and/or removed. Hyperlinks may change. 3626433 JAN25



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 4 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

Application Specific Foundational Generative AI and LLMs Scaled Production \longrightarrow \longrightarrow SELF-PACED COURSE SELF-PACED COURSE — **NEW!** SELF-PACED COURSE — **NEW!** SELF-PACED COURSE **SELF-PACED COURSE** Al for All -**Augment Your LLM Using Introduction to Transformer-Based** Introduction to Sizing LLM Inference Systems From Basics to Gen Al Practice **NVIDIA NIM Microservices Retrieval Augmented Generation Natural Language Processing*** 3 Hours | Free 6 Hours | \$30 2 Hours | Free 1 Hour | Free 2.5 Hours | Free SELF-PACED COURSE SELF-PACED COURSE **INSTRUCTOR-LED WORKSHOP** SELF-PACED COURSE — **NEW! SELF-PACED COURSE Building Transformer-Based Natural Synthetic Tabular Data Generation Techniques for Improving the Deploying a Model for Inference Generative AI Explained Language Processing Applications* Using Transformers Effectiveness of RAG Systems** at Production Scale 2 Hours | Free 4 Hours | \$30 8 Hours | \$500 4 Hours | \$30 1 Hour | \$30 **SELF-PACED COURSE** SELF-PACED COURSE SELF-PACED COURSE **SELF-PACED COURSE INSTRUCTOR-LED WORKSHOP** Introduction to **Building Conversational Getting Started With Deep Learning* Generative AI With Diffusion Models* Building RAG Agents with LLMs* Deploying RAG Pipelines Al Applications*** 8 Hours | \$90 8 Hours | \$90 8 Hours | Free for Production at Scale 8 Hours | \$500 3 Hours | \$90 INSTRUCTOR-LED WORKSHOP SELF-PACED COURSE — **NEW! INSTRUCTOR-LED WORKSHOP INSTRUCTOR-LED WORKSHOP INSTRUCTOR-LED WORKSHOP Applications of AI for Generative AI With Diffusion Models* Building RAG Agents with LLMs*** Fundamentals of Deep Learning* Sizing LLM Inference Systems **Anomaly Detection*** 3 Hours | \$30 8 Hours | \$500 8 Hours | \$500 8 Hours | \$500 8 Hours | \$500 SELF-PACED COURSE — **NEW! INSTRUCTOR-LED WORKSHOP INSTRUCTOR-LED WORKSHOP Building LLM Applications With Prompt Data Parallelism: How to Train Deep** Applications of AI for **Predictive Maintenance* Engineering*** Learning Models on Multiple GPUs* 8 Hours | \$500 8 Hours | \$500 8 Hours | \$90 **SELF-PACED COURSE — NEW!** INSTRUCTOR-LED WORKSHOP — **NEW! INSTRUCTOR-LED WORKSHOP Rapid Application Development Building LLM Applications Model Parallelism: Building and** with Large Language Models * with Prompt Engineering* **Deploying Large Neural Networks*** 8 Hours \$500 8 Hours | \$90 8 Hours \$500 INSTRUCTOR-LED WORKSHOP **INSTRUCTOR-LED WORKSHOP Rapid Application Development Efficient Large Language Model** with Large Language Models * (LLM) Customizations*

8 Hours | \$500



COURSE LEGEND

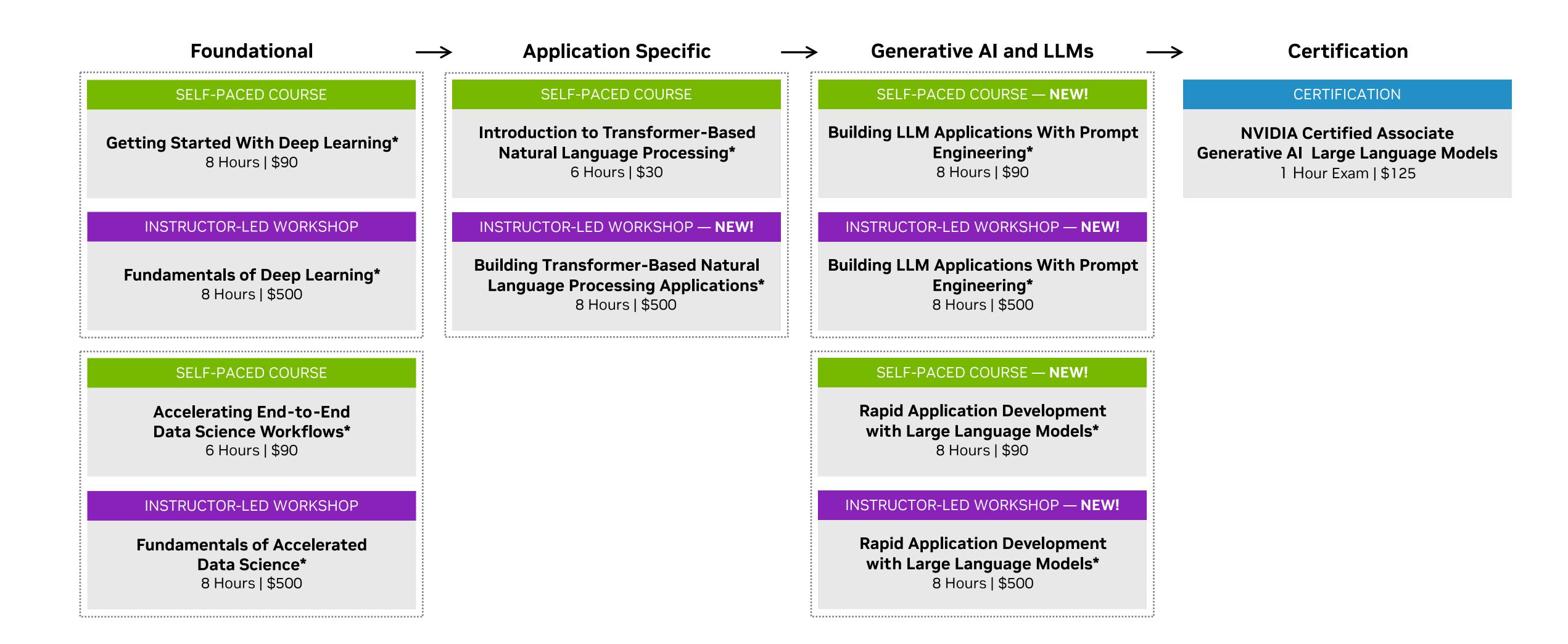
** Digital Badge Available

NVIDIA Certificate of Competency

Braces Indicate Alternate Paths

8 Hours | \$500

Recommended Training for Gen Al LLM Certification



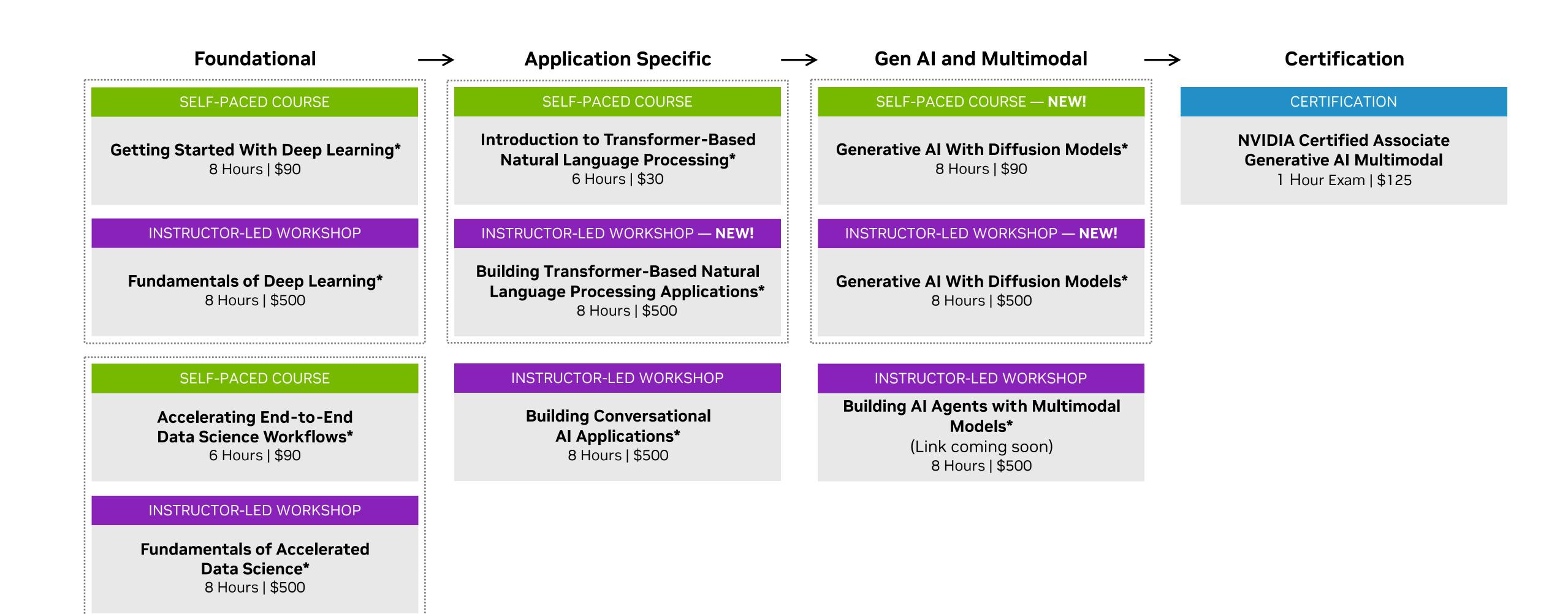
Additional resources to prepare for the exam:

- 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)
- Trustworthy AI (Webpage)

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



Recommended Training for Gen Al Multimodal Certification



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 SELF-PACED COURSE CERTIFICATION Al Infrastructure and Operations Al Infrastructure and Operations Al for All: From Basics to Gen Al Practice Certification** **Fundamentals** 2 Hours | Free 1 Hour | \$135 7 Hours | \$50 CERTIFICATION **INSTRUCTOR-LED WORKSHOP NVIDIA AI Infrastructure: Professional AI Infrastructure Public Training** Certification** 28 Hours | \$3,500 90 Minutes | \$400 **INSTRUCTOR-LED WORKSHOP** CERTIFICATION **NVIDIA AI Operations: Professional AI Operations** Certification** **Public Training** 90 Minutes | \$400 24 Hours | \$3,500 **INSTRUCTOR-LED WORKSHOP NVIDIA AI Infrastructure** & Operations: **Public Training** 44 Hours | \$5,500 **NVIDIA AI Enterprise** SELF-PACED COURSE SELF-PACED COURSE **INSTRUCTOR-LED WORKSHOP** INSTRUCTOR-LED WORKSHOP **NVIDIA AI Enterprise Administrator: NVIDIA AI Enterprise Administrator: RAPIDS Accelerator for Apache Spark NVIDIA AI Enterprise Administrator Public Training Private Customized Training** 2 Hours | \$30 9.5 Hours | \$100 12 Hours | \$1,500 12 Hours | \$ Custom **NVIDIA DGX INSTRUCTOR-LED WORKSHOP INSTRUCTOR-LED WORKSHOP INSTRUCTOR-LED WORKSHOP INSTRUCTOR-LED WORKSHOP NVIDIA DGX System NVIDIA DGX System NVIDIA DGX BasePOD NVIDIA DGX SuperPOD Administration: Public Workshop Administration: Private Workshop Administration: Private Workshop Administration: Private Workshop**

Introduction to Networking

SELF-PACED COURSE

Introduction to Networking 1 Hour | Free

InfiniBand Essentials 1.5 Hours | Free

SELF-PACED COURSE

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 | \$50

12 Hours | \$1,500

12 Hours | \$ Custom

12 Hours | \$ Custom

12 Hours | \$ Custom

- 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

Financial Services

SELF-PACED COURSE

Digital Fingerprinting With NVIDIA Morpheus 1 Hour | Free

INSTRUCTOR-LED WORKSHOP

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

Healthcare and Life Sciences

SELF-PACED COURSE - NEW!

Al for All -From Basics to Gen Al Practice 2.5 Hours | Free



INSTRUCTOR-LED WORKSHOP INSTRUCTOR-LED WORKSHOP

Data Parallelism: How to Train Deep Model Parallelism: Building and **Learning Models on Multiple GPUs* Deploying Large Neural Networks*** 8 Hours | \$500 8 Hours | \$500

Manufacturing

INSTRUCTOR-LED WORKSHOP

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

Transportation

SELF-PACED COURSE

Integrating Sensors With NVIDIA DRIVE 4 Hours | \$30

INSTRUCTOR-LED WORKSHOP

INSTRUCTOR-LED WORKSHOP

Applications of AI for

Predictive Maintenance*

8 Hours | \$500

INSTRUCTOR-LED WORKSHOP

Building AI-Based

Cybersecurity Pipelines

8 Hours | \$500

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

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





Networking Training

For administrators

InfiniBand Overview SELF-PACED COURSE SELF-PACED COURSE SELF-PACED COURSE SELF-PACED COURSE InfiniBand Professional Certification** \rightarrow **Introduction to Networking** Al for All: From Basics to Gen Al Practice **InfiniBand Essentials InfiniBand Professional** 6 Hours | \$250 2 Hours | Free 1.5 Hours | Free 1 Hour | Free **NVIDIA Cumulus INSTRUCTOR-LED WORKSHOP INSTRUCTOR-LED WORKSHOP InfiniBand Customized Course** 6 Hours | \$ Custom **NVIDIA Cumulus Linux: Public Boot Camp** 12 Hours | \$1,500 SELF-PACED COURSE **Fundamentals of INSTRUCTOR-LED WORKSHOP RDMA Programming**

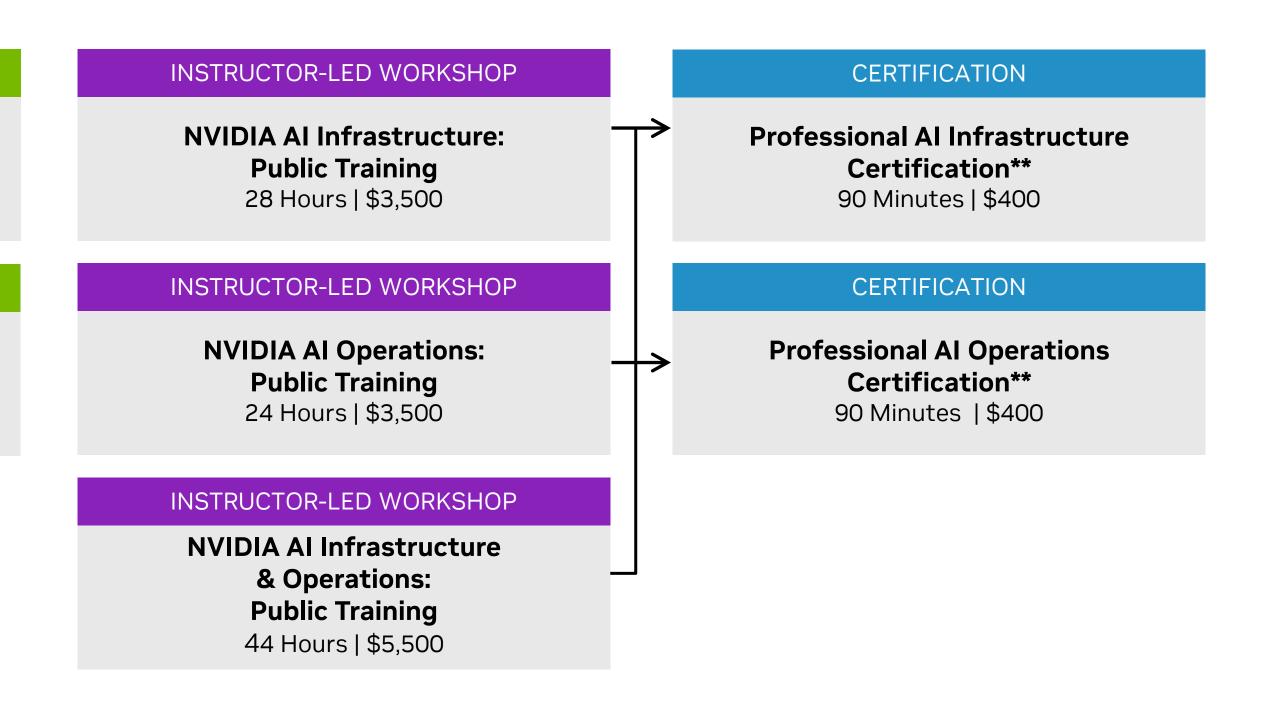
Other

SELF-PACED COURSE **Network Administration With NVIDIA Onyx Switch System** 3 Hours | \$100 SELF-PACED COURSE **RDMA Over Converged** Ethernet from A to Z 10 Hours | Free

NVIDIA Cumulus Linux:

Private Customized Workshop

20 Hours | \$ Custom



COURSE LEGEND

CERTIFICATION

2 Hours | \$220

4 Hours | \$50

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

Robotics

For developers

SELF-PACED COURSE

Getting Started with Al on Jetson Nano

8 Hours | \$90

INSTRUCTOR-LED WORKSHOP

Getting Started with Al on Jetson Nano 6 Hours | \$ 500

SELF-PACED COURSE

Getting Started: Simulating Your First
Robot in Isaac Sim
1.5 Hours | Free

SELF-PACED COURSE

Transferring Robot Learning Policies
from Simulation to Reality
1 Hour | Free

SELF-PACED COURSE

Ingesting Robot Assets and Simulating
Your Robot in Isaac Sim
1 Hour | Free

SELF-PACED COURSE

Synthetic Data Generation for Perception Model Training in Isaac Sim

1 Hour | Free

SELF-PACED COURSE

Developing Robots with Software-inthe-Loop (SIL) in Isaac Sim

1 Hour | Free

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



Simulation, Modeling, and Design Training

For developers and administrators

Omniverse Kit-Based Development

SELF-PACED COURSE

Developing an Omniverse Kit-Based Application

2 Hours | Free

SELF-PACED COURSE

How to Build OpenUSD Applications for Industrial Digital Twins

2 Hours | Free

SELF-PACED COURSE

Building a 3D Product Configurator with OpenUSD and Omniverse

2 Hours | Free

SELF-PACED COURSE

How to Build a Native OpenUSD XR Application

2 Hours | Free

SELF-PACED COURSE

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

Developing an AI Background Generator With NIM

SELF-PACED COURSE

2 Hours | Free

SELF-PACED COURSE

Creating and Customizing an **Omniverse Extension**

2 Hours | Free

SELF-PACED COURSE

Easily Develop Advanced 3D Layout Tools on NVIDIA Omniverse

90 Minutes | Free

OpenUSD Fundamentals

SELF-PACED COURSE

Learn OpenUSD: Learning About Stages, Prims, and Attributes 90 Minutes | Free

SELF-PACED COURSE

Learn OpenUSD: **Understanding Model Kinds** 15 Minutes | Free

SELF-PACED COURSE

Learn OpenUSD: **Creating Composition Arcs** 3 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!

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

SELF-PACED COURSE

Synthetic Data Generation for Perception Model Training in Isaac Sim 1 Hour | Free

SELF-PACED COURSE

Learn OpenUSD: Working With **Prims and Default Schemas** 30 Minutes | Free

SELF-PACED COURSE

Learn OpenUSD: Setting Up Basic Animations 15 Minutes | Free

SELF-PACED COURSE

Learn OpenUSD: Asset Structure Principles and Content Aggregation 3 Hours | Free

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

INSTRUCTOR-LED WORKSHOP

Building Digital Avatar Pipelines With Omniverse Audio2Face and Riva* (Chinese) 8 Hours | \$500

SELF-PACED COURSE

Learn OpenUSD: **Using Attributes** 45 Minutes | Free

SELF-PACED COURSE

Learn OpenUSD: **An Introduction to Strength Ordering** 45 Minutes | Free

SELF-PACED COURSE

Learn OpenUSD: **Developing Data Exchange Pipelines** 1.5 Hours | Free

Generative Al

SELF-PACED COURSE — **NEW!**

Generative AI Explained 2 Hours | Free

SELF-PACED COURSE

Developing an Al Background **Generator With NIM** 2 Hours | Free

SELF-PACED COURSE

Learn OpenUSD: **Traversing Stages** 20 Minutes | Free

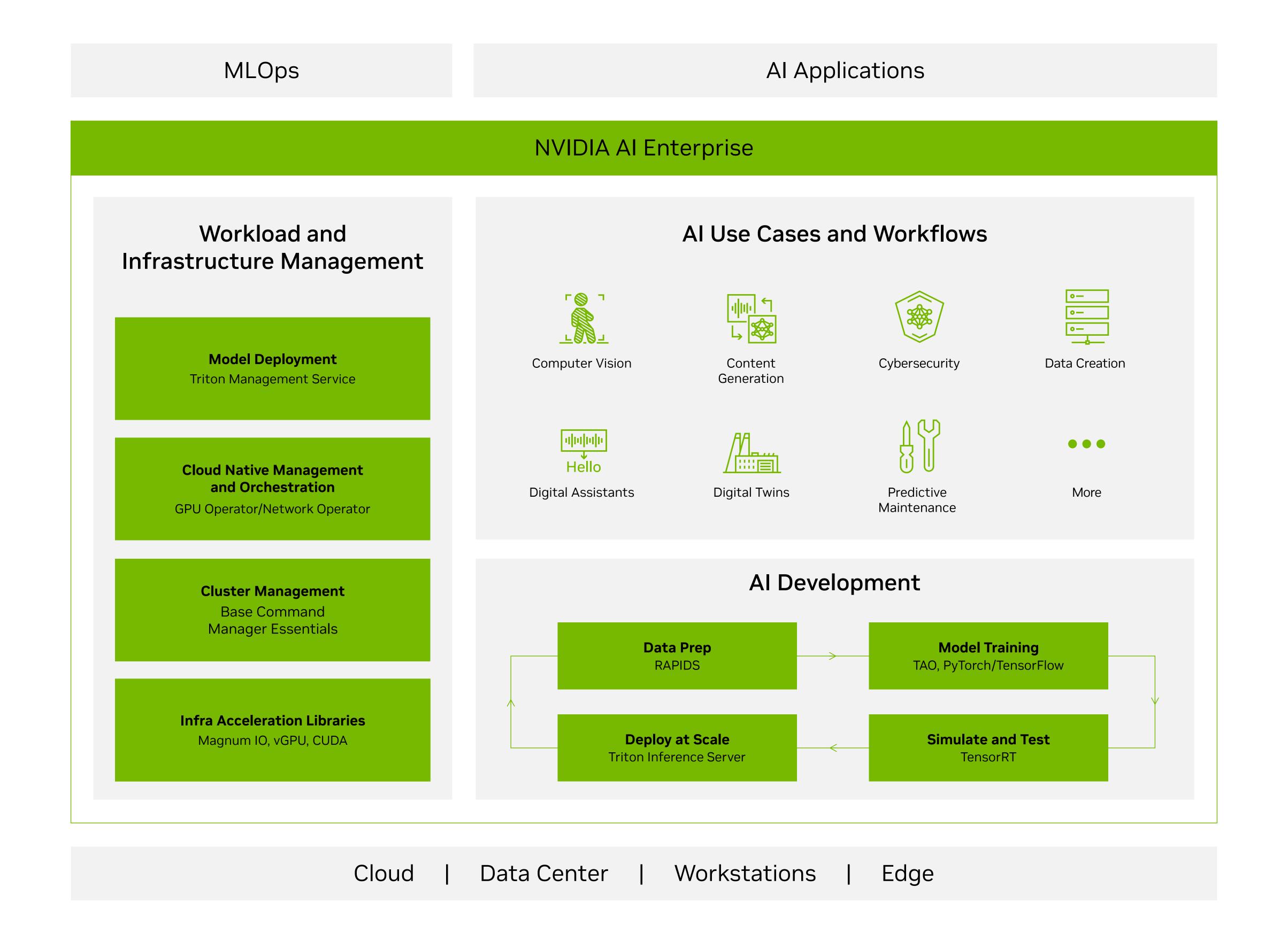
- **NVIDIA Certificate of Competency**
- ** Digital Badge Available
- Braces Indicate Alternate Paths



NVIDIA AI Enterprise Learning Paths

NVIDIA AI Enterprise Training and Certification

Training in three key areas

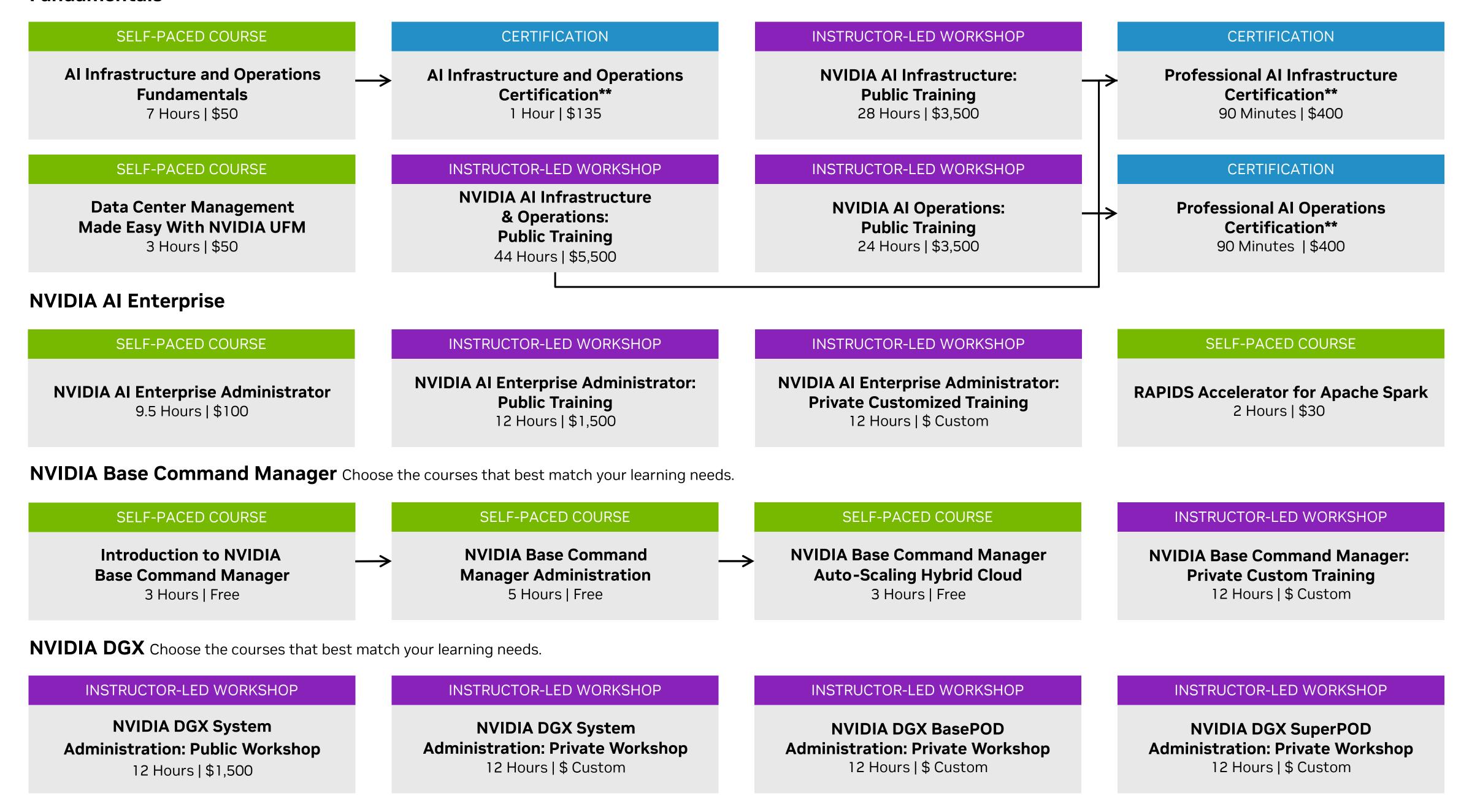




NVIDIA AI Enterprise Workload and Infrastructure Management

Workload and infrastructure management

Fundamentals



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



NVIDIA AI Enterprise AI Use Cases & Workflows

Al use cases and workflows

Computer Vision and Video Analytics

SELF-PACED COURSE — **NEW!**

Al for All –
From Basics to Gen Al Practice
2.5 Hours | Free

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 | \$30

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

SELF-PACED COURSE

Getting Started With Al on NVIDIA Jetson Nano*

8 Hours | Free

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



Al use cases and workflows

Content Generation Scaled Production Foundational Generative AI and LLMs Application Specific \longrightarrow SELF-PACED COURSE — **NEW!** SELF-PACED COURSE SELF-PACED COURSE — **NEW!** SELF-PACED COURSE **SELF-PACED COURSE** Al for All -Introduction to Transformer-Based Introduction to **Augment Your LLM Using Sizing LLM Inference Systems** From Basics to Gen Al Practice **NVIDIA NIM Microservices Retrieval Augmented Generation** Natural Language Processing* 3 Hours | Free 2.5 Hours | Free 6 Hours | \$30 2 Hours | Free 1 Hour | Free SELF-PACED COURSE — **NEW! SELF-PACED COURSE INSTRUCTOR-LED WORKSHOP** SELF-PACED COURSE **SELF-PACED COURSE Synthetic Tabular Data Generation** Techniques for Improving the **Deploying a Model for Inference Building Transformer-Based Natural Generative AI Explained Using Transformers Effectiveness of RAG Systems** at Production Scale **Language Processing Applications*** 2 Hours | Free 8 Hours | \$500 4 Hours | \$30 4 Hours | \$30 1 Hour | \$30 SELF-PACED COURSE **INSTRUCTOR-LED WORKSHOP** SELF-PACED COURSE SELF-PACED COURSE SELF-PACED COURSE Introduction to **Building Conversational Building RAG Agents with LLMs* Getting Started With Deep Learning* Generative AI With Diffusion Models* Deploying RAG Pipelines Al Applications*** 8 Hours | \$90 8 Hours | \$90 8 Hours | Free for Production at Scale 8 Hours | \$500 3 Hours | \$90 **INSTRUCTOR-LED WORKSHOP** SELF-PACED COURSE — **NEW! INSTRUCTOR-LED WORKSHOP INSTRUCTOR-LED WORKSHOP INSTRUCTOR-LED WORKSHOP Applications of AI for Fundamentals of Deep Learning* Generative AI With Diffusion Models* Building RAG Agents with LLMs*** Sizing LLM Inference Systems **Anomaly Detection*** 3 Hours | \$30 8 Hours | \$500 8 Hours | \$500 8 Hours | \$500 8 Hours | \$500 SELF-PACED COURSE — **NEW! INSTRUCTOR-LED WORKSHOP INSTRUCTOR-LED WORKSHOP Applications of AI for Building LLM Applications With Prompt** Data Parallelism: How to Train Deep **Predictive Maintenance*** Learning Models on Multiple GPUs* **Engineering*** 8 Hours | \$90 8 Hours | \$500 8 Hours | \$500 **SELF-PACED COURSE — NEW!** INSTRUCTOR-LED WORKSHOP — **NEW!** INSTRUCTOR-LED WORKSHOP **Building LLM Applications Model Parallelism: Building and Rapid Application Development** with Large Language Models * with Prompt Engineering* **Deploying Large Neural Networks*** 8 Hours | \$90 8 Hours \$500 8 Hours \$500 **INSTRUCTOR-LED WORKSHOP** INSTRUCTOR-LED WORKSHOP

Rapid Application Development

with Large Language Models *

8 Hours | \$500

COURSE LEGEND

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



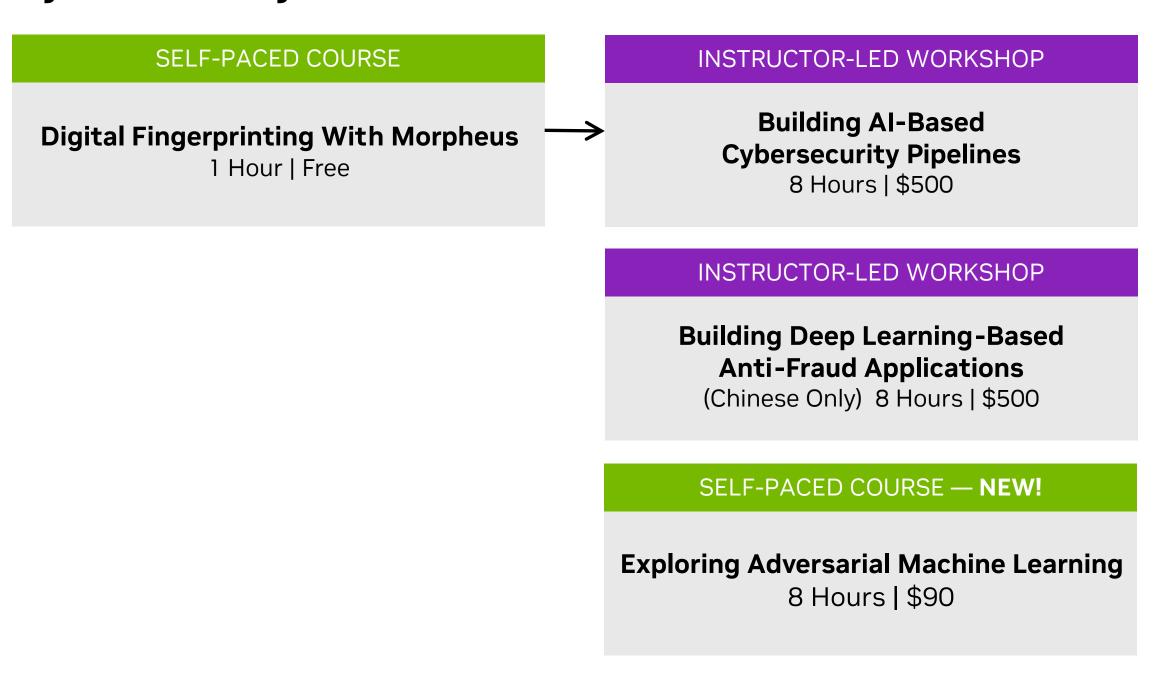
Efficient Large Language Model

(LLM) Customizations*

8 Hours | \$500

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 — **NEW!**

Al for All –
From Basics to Gen Al Practice
2.5 Hours | Free

SELF-PACED COURSE

Generative Al 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

OpenUSD Fundamentals

SELF-PACED COURSE

Learn OpenUSD: Learning About Stages, Prims, and Attributes 90 Minutes | Free

SELF-PACED COURSE

Learn OpenUSD: Understanding Model Kinds 15 Minutes | Free

SELF-PACED COURSE — **NEW!**

Building a 3D Product Configurator with OpenUSD And Omniverse

2 Hours | Free

SELF-PACED COURSE

Learn OpenUSD: Working With Prims and Default Schemas
30 Minutes | Free

SELF-PACED COURSE

Learn OpenUSD:
Setting Up Basic Animations
15 Minutes | Free

SELF-PACED COURSE — **NEW!**

How to Build Native OpenUSD

XR Applications

2 Hours | Free

SELF-PACED COURSE

Learn OpenUSD: Using Attributes 45 Minutes | Free

SELF-PACED COURSE

Learn OpenUSD:
An Introduction to Strength Ordering
45 Minutes | Free

SELF-PACED COURSE — **NEW!**

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

SELF-PACED COURSE

Learn OpenUSD: Traversing Stages 20 Minutes | Free

Predictive Maintenance

INSTRUCTOR-LED WORKSHOP

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

INSTRUCTOR-LED WORKSHOP

Applications of AI for Predictive Maintenance*

8 Hours | \$500

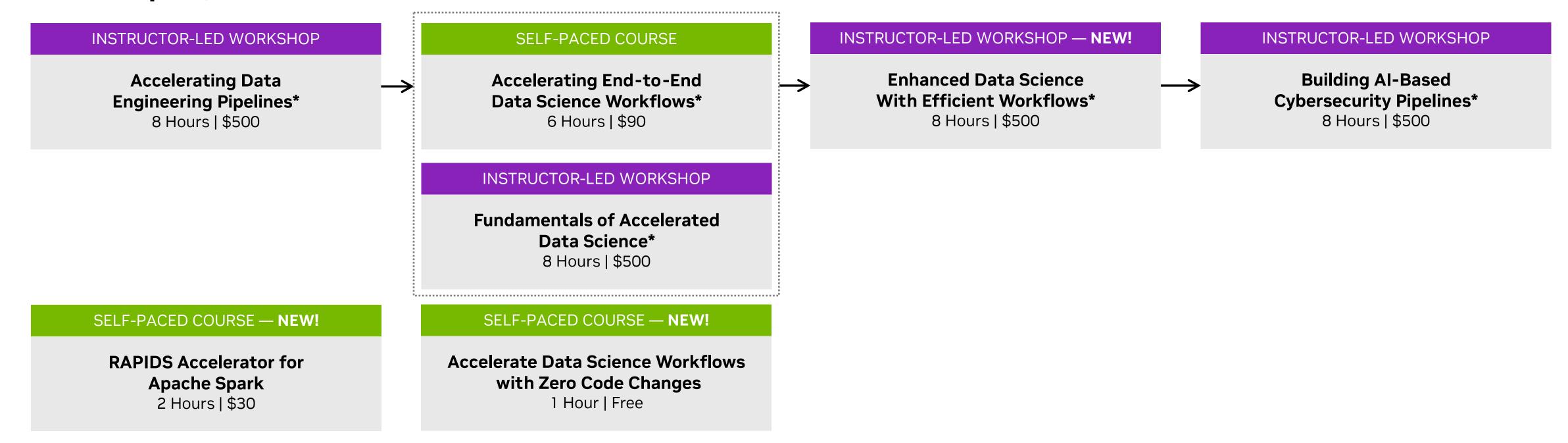
- * NVIDIA Certificate of Competency
- ** Digital Badge Available
- **Braces Indicate Alternate Paths**



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 — **NEW!**

Al for All -From Basics to Gen Al Practice 2.5 Hours | Free

SELF-PACED COURSE

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

Fundamentals of Deep Learning* 8 Hours | \$500

INSTRUCTOR-LED WORKSHOP

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)

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

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**



