

NVIDIA Learning Paths by Role and Topic

Table of contents

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



COURSE LEGEND

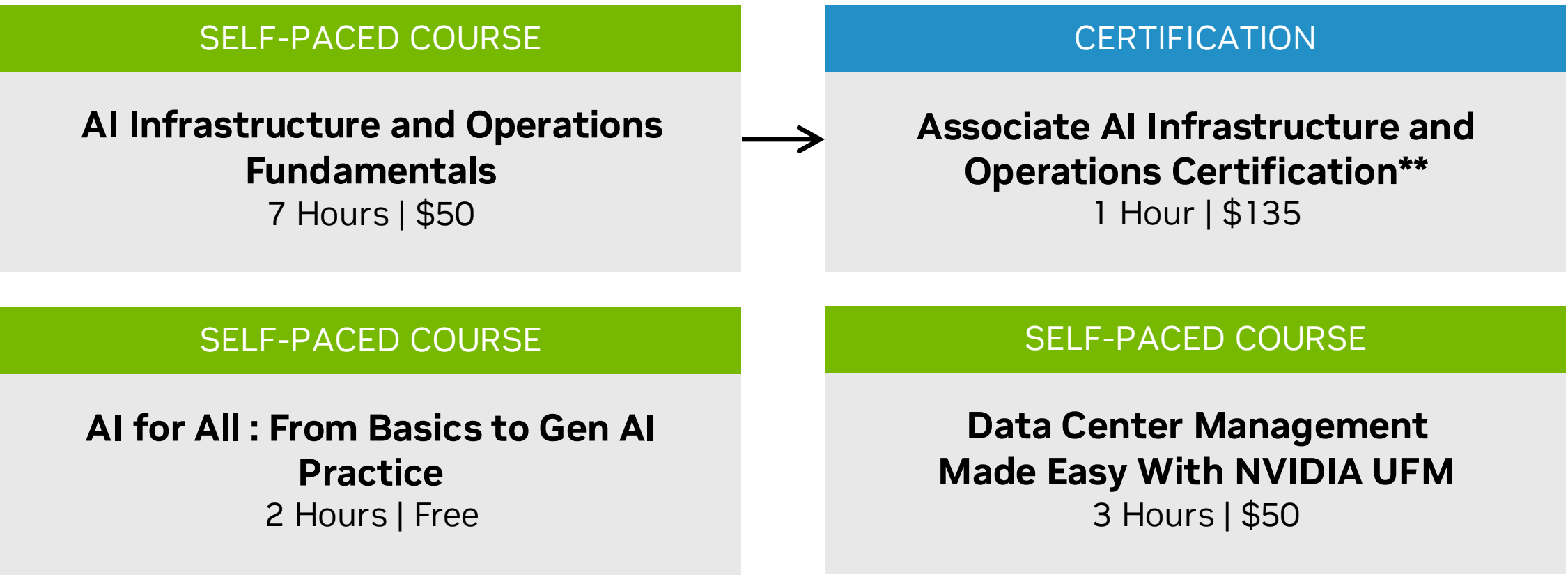
- * NVIDIA Certificate of Competency
- ** Digital Badge Available
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Accelerated Computing Training

For administrators

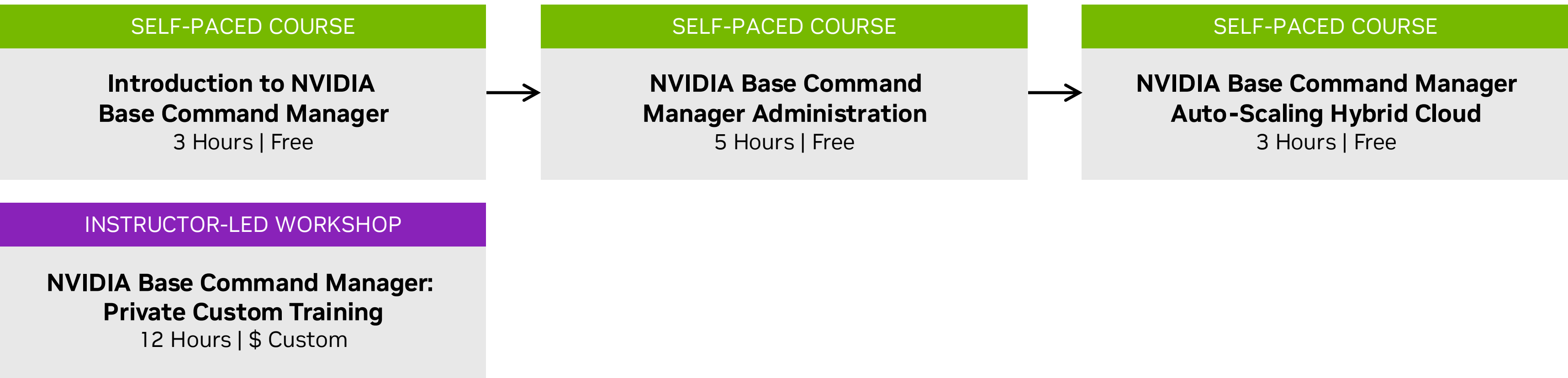
Overview



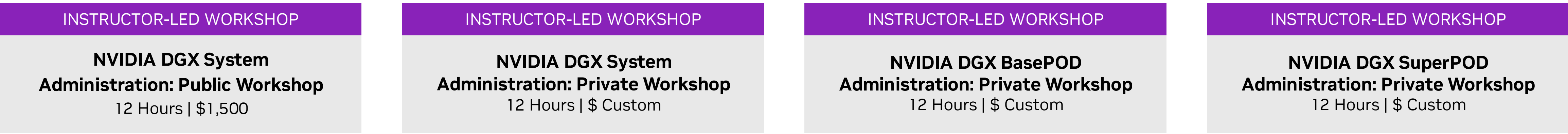
NVIDIA AI Enterprise Choose the courses that best match your learning needs.



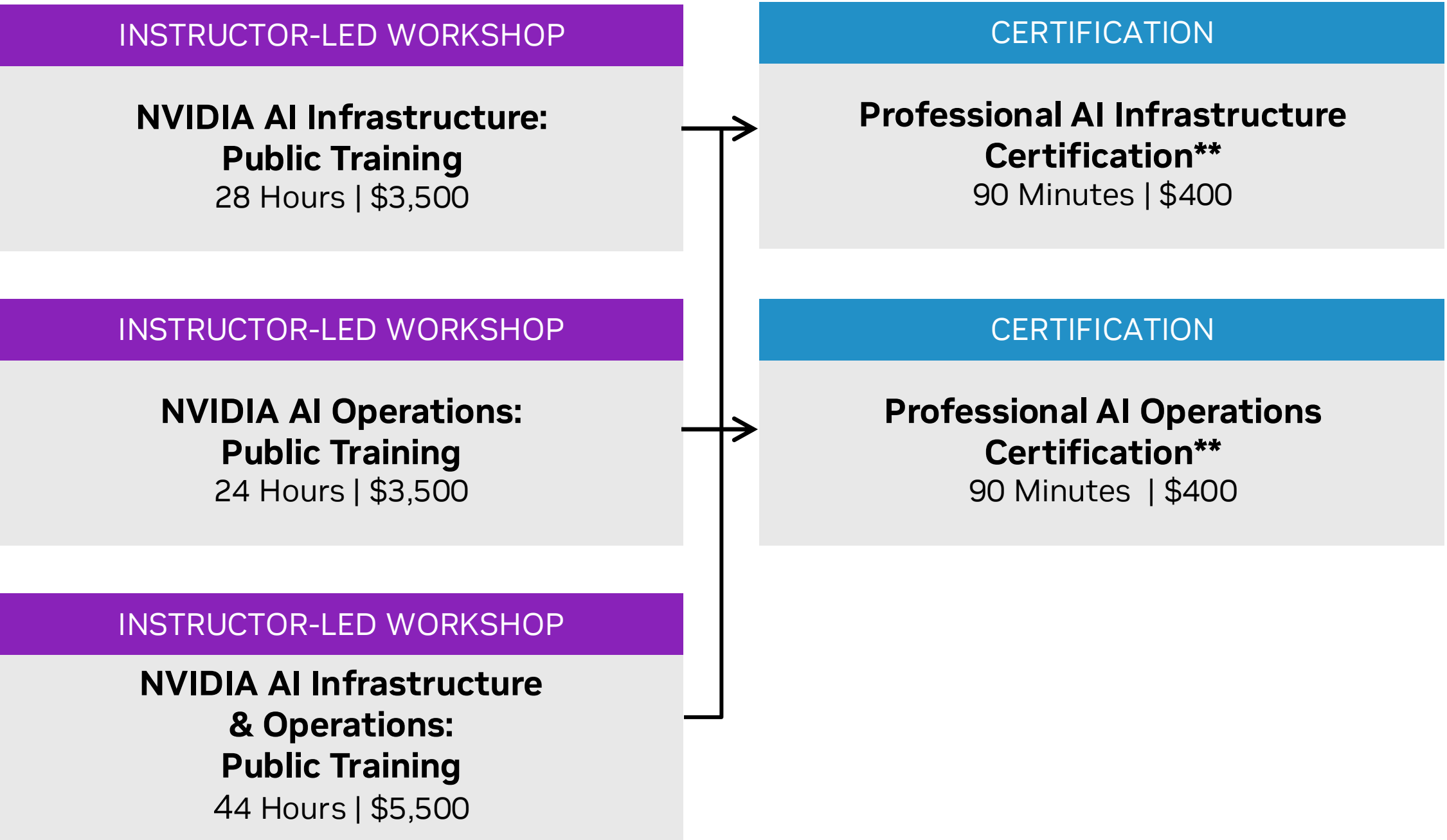
NVIDIA Base Command Manager Choose the courses that best match your learning needs.



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



AI Infrastructure and Operations



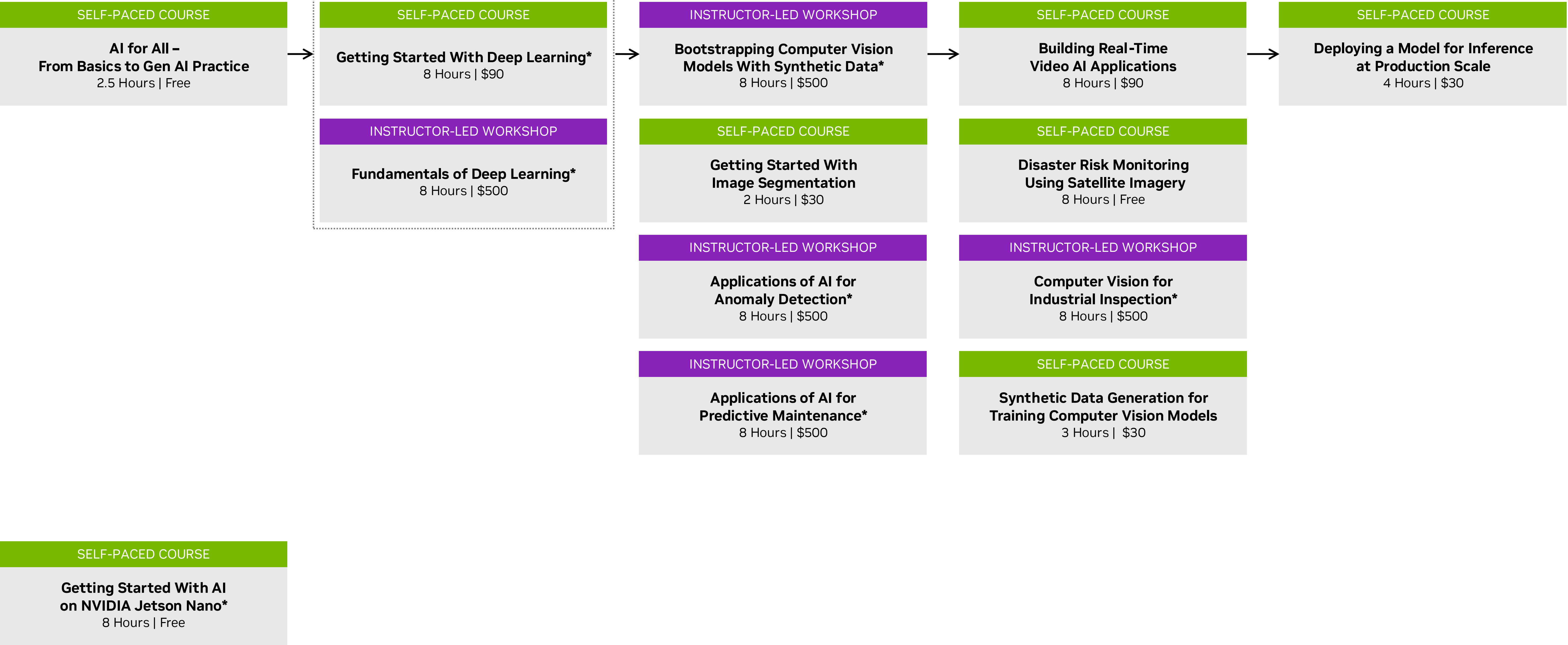
COURSE LEGEND

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Computer Vision and Video Analytics Training

For developers



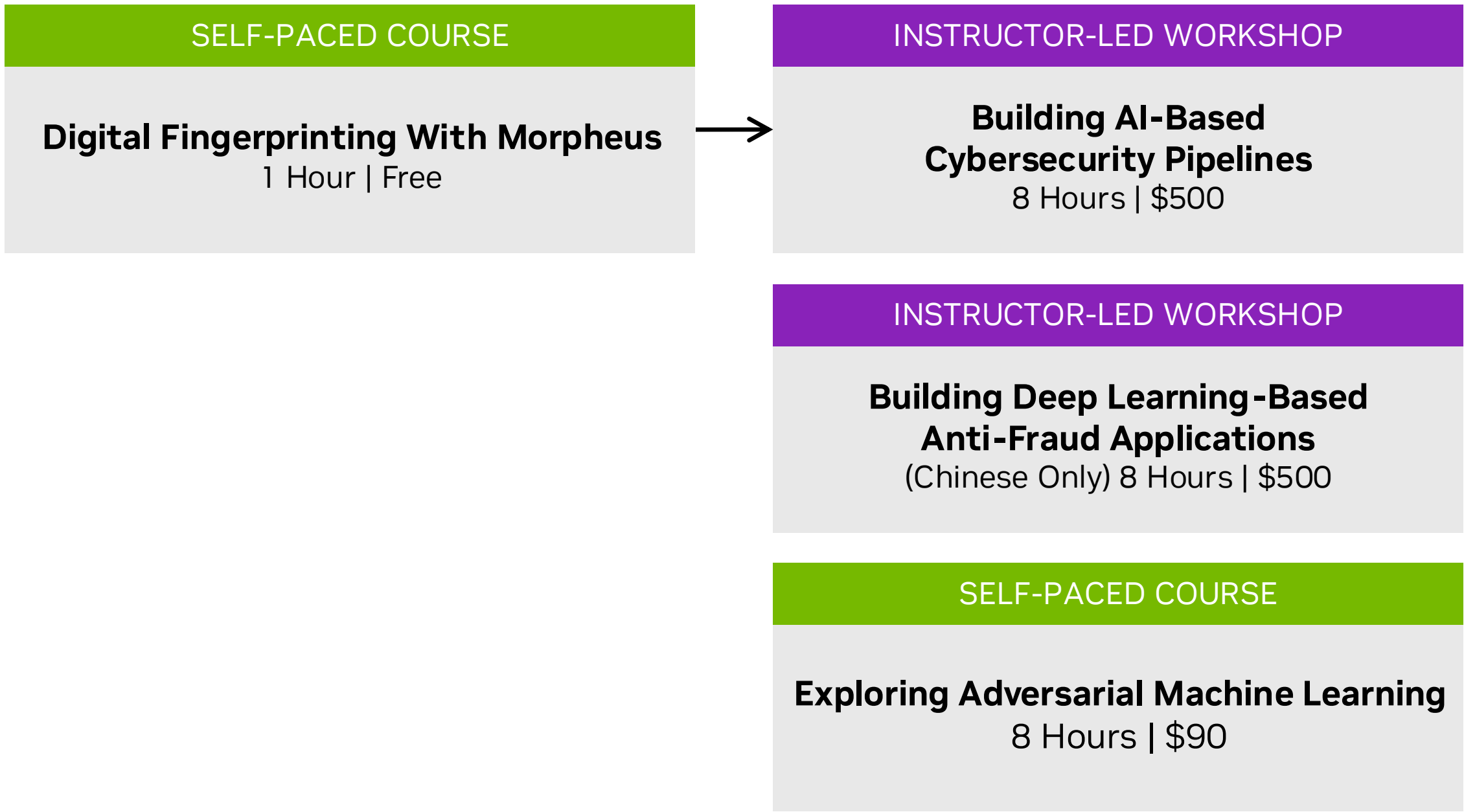
COURSE LEGEND

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Cybersecurity and Fraud Detection Training

For developers



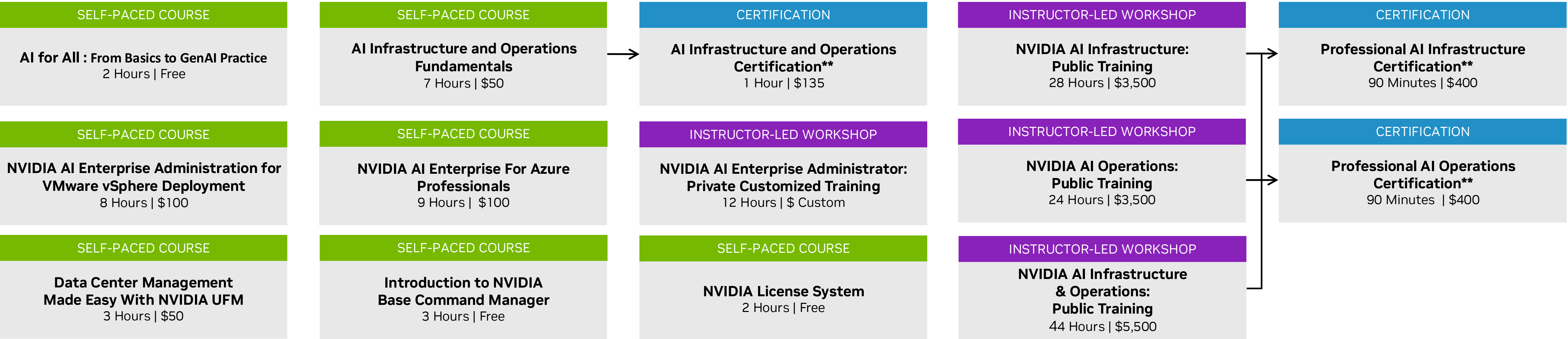
COURSE LEGEND

- * 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.



Compute Choose the courses that best match your learning needs.

INSTRUCTOR-LED WORKSHOP	INSTRUCTOR-LED WORKSHOP	INSTRUCTOR-LED WORKSHOP	INSTRUCTOR-LED WORKSHOP
NVIDIA DGX BasePOD Administration: Private Workshop 12 Hours \$ Custom	NVIDIA DGX SuperPOD Administration: Private Workshop 12 Hours \$ Custom	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	SELF-PACED COURSE	SELF-PACED COURSE
Introduction to Networking 1 Hour Free	NVIDIA BlueField DPU Administration 3 Hours \$50	InfiniBand Essentials 1.5 Hours Free

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

SELF-PACED COURSE	SELF-PACED COURSE	SELF-PACED COURSE
Network Administration With NVIDIA Onyx Switch System 3 Hours \$100	Fundamentals of RDMA Programming 4 Hours \$50	Ansible Essentials for Network Engineers 3 Hours \$50

COURSE LEGEND

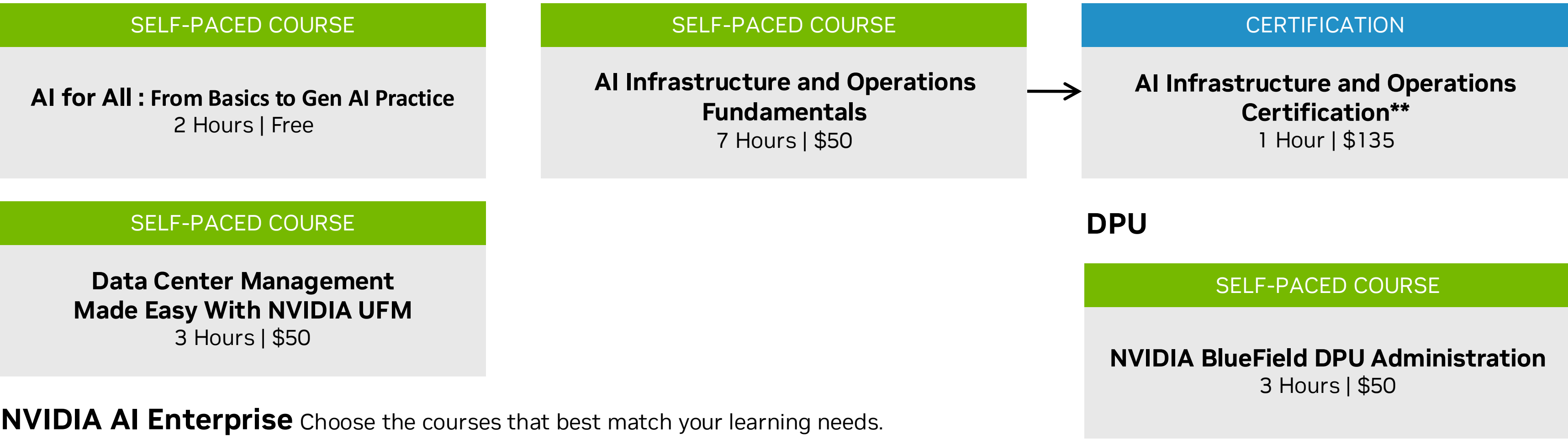
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Data Center and Cloud Training

For administrators

Overview



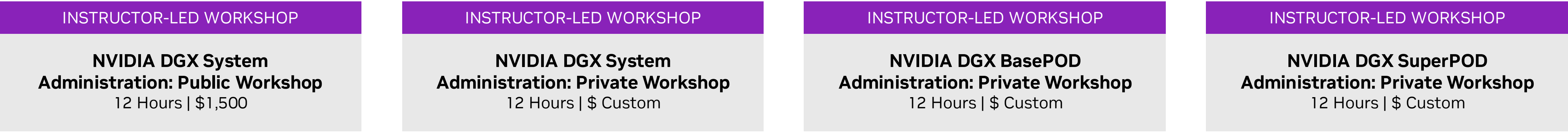
NVIDIA AI Enterprise Choose the courses that best match your learning needs.



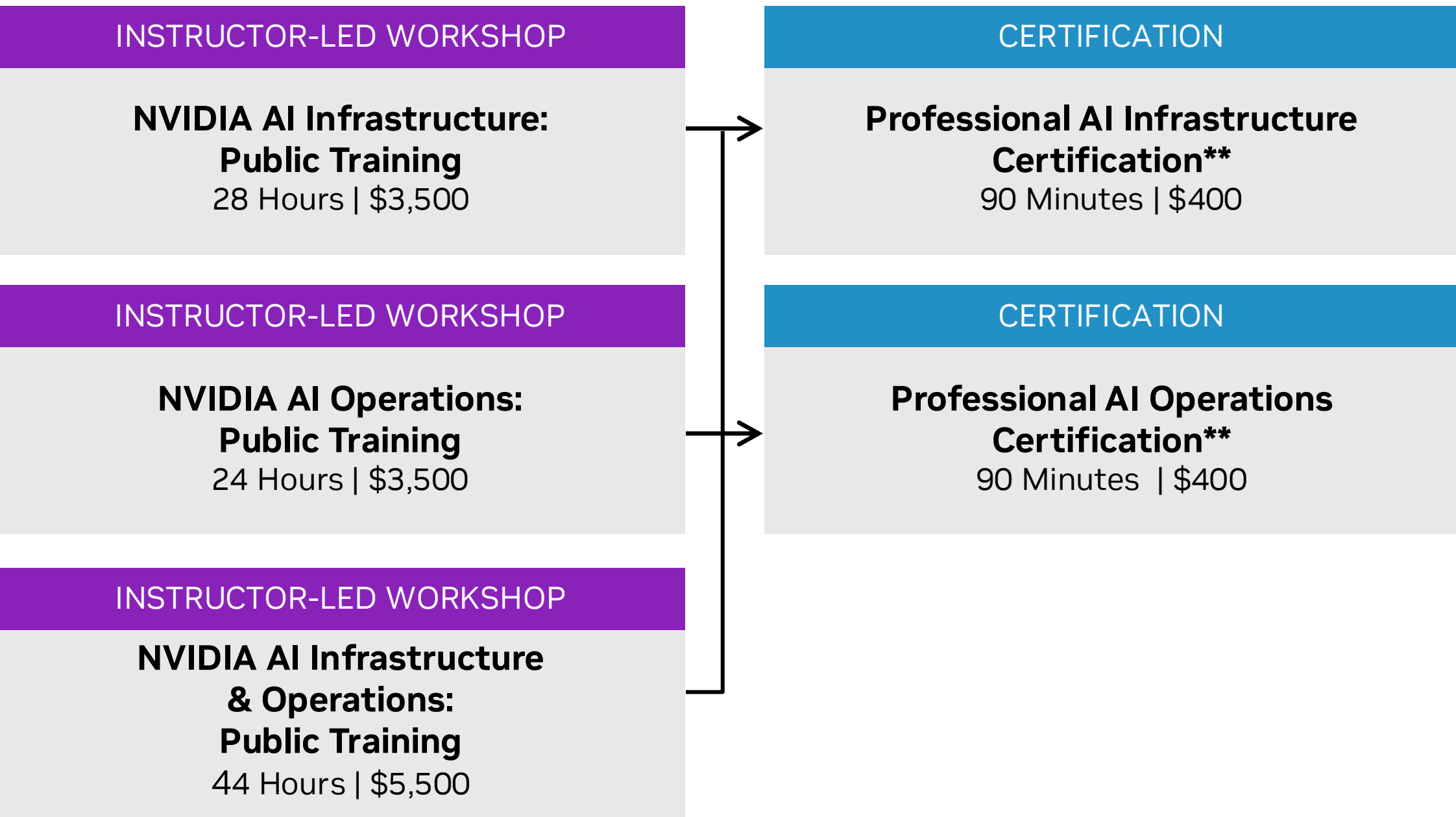
Cluster Administration



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



AI Infrastructure and Operations



COURSE LEGEND

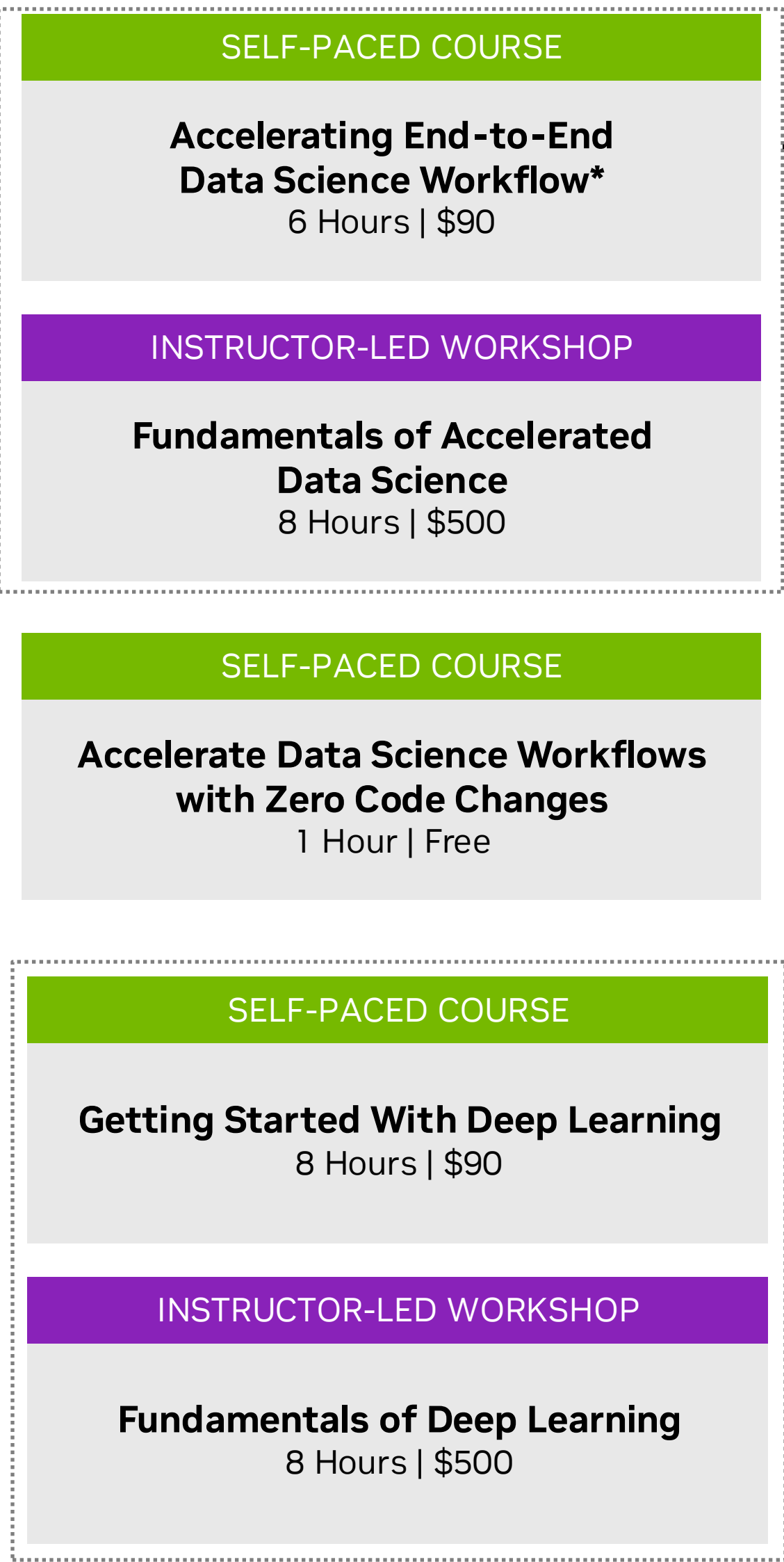
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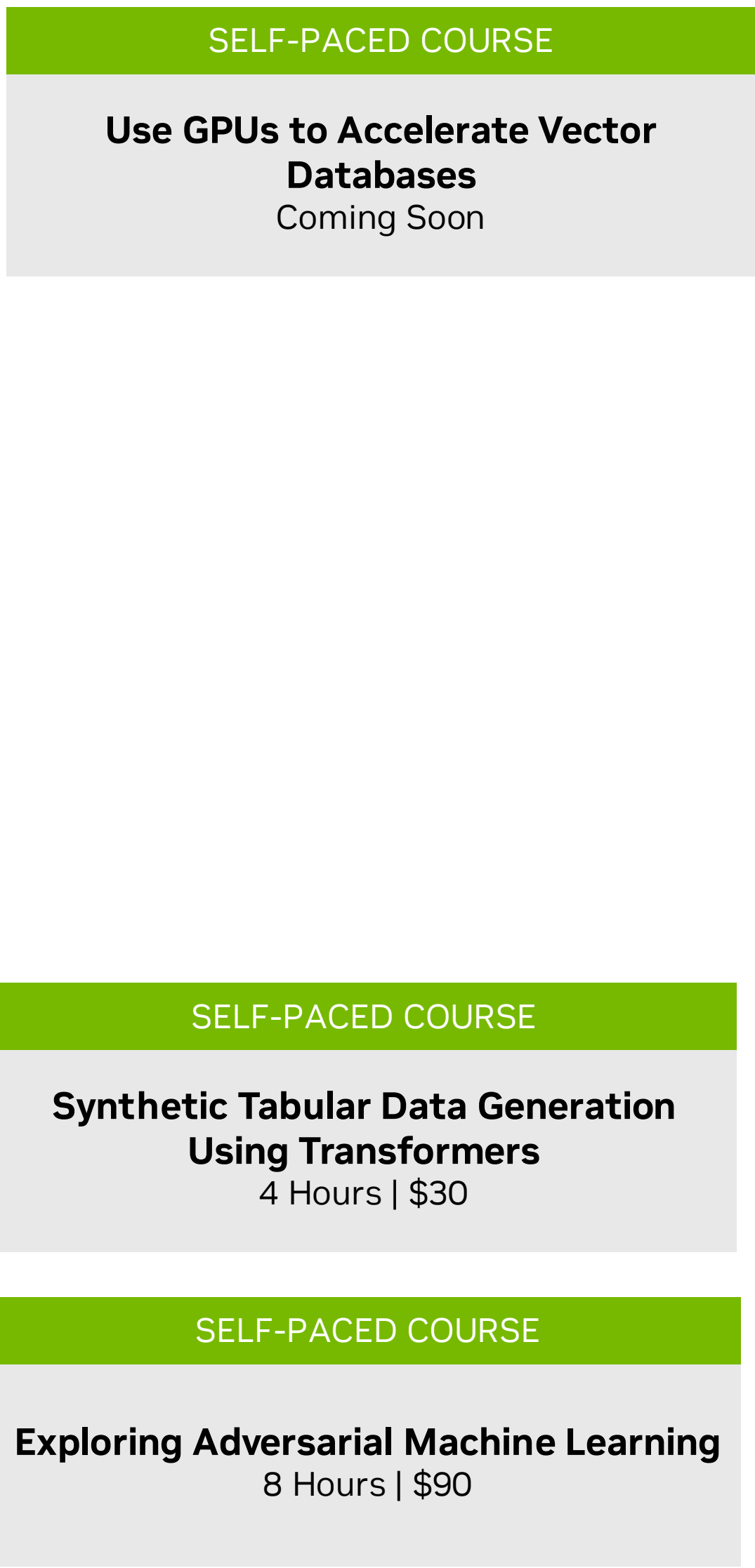
Data Science Training

For developers

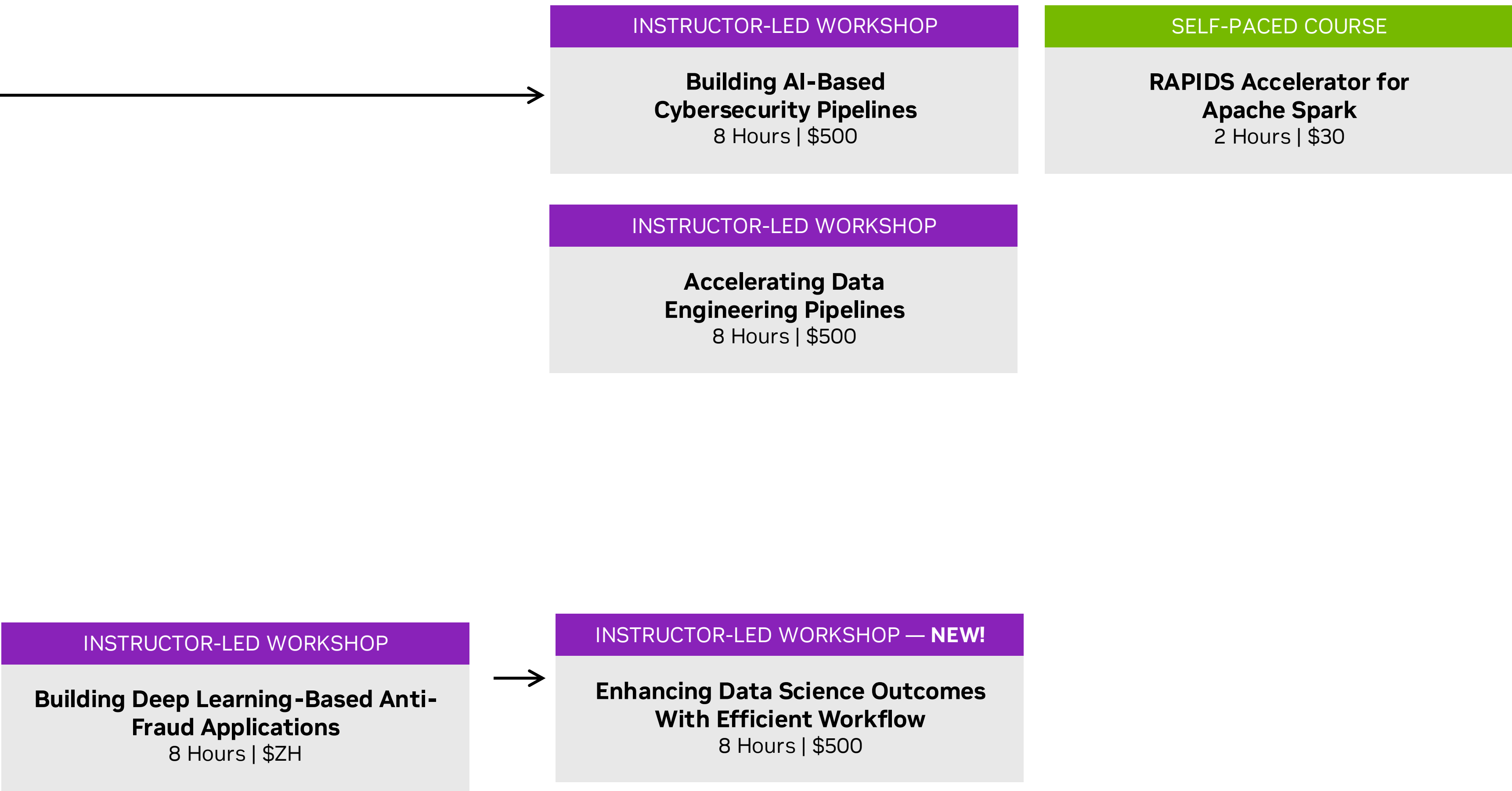
Foundational



Task-Specific



Application Specific

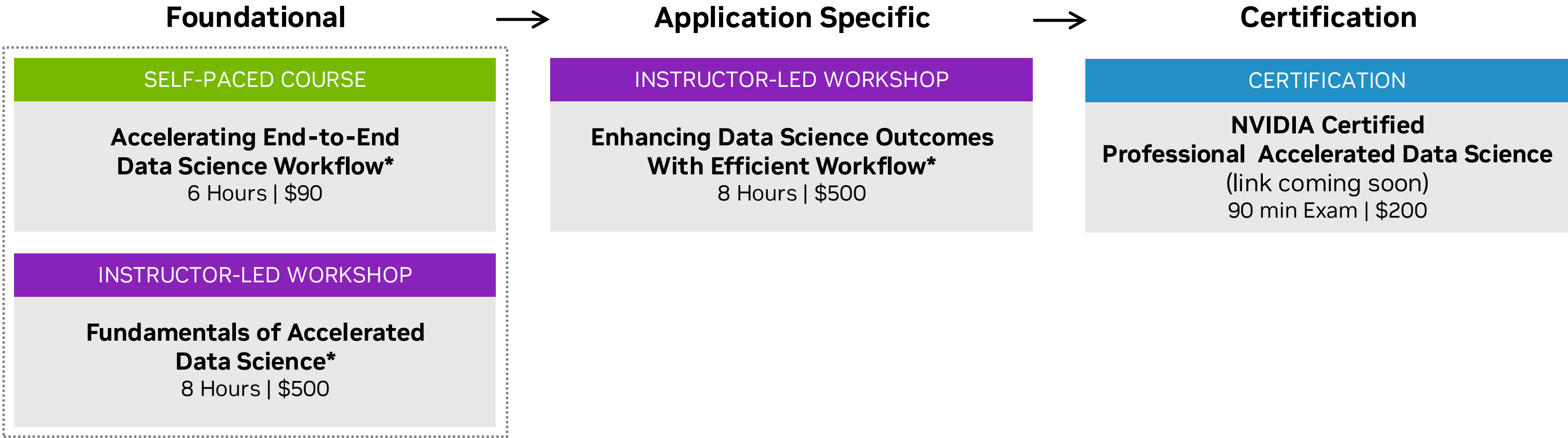


COURSE LEGEND

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- { } Braces Indicate Alternate Paths

Data Science Recommended Training for Certification

For developers

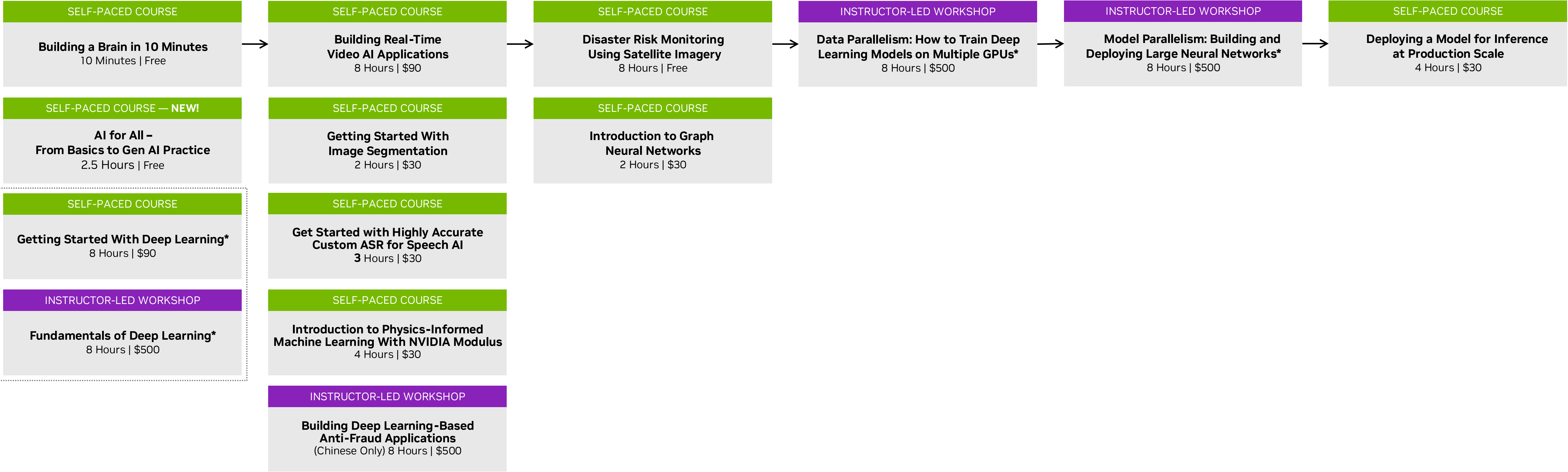


COURSE LEGEND

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Deep Learning Training

For developers

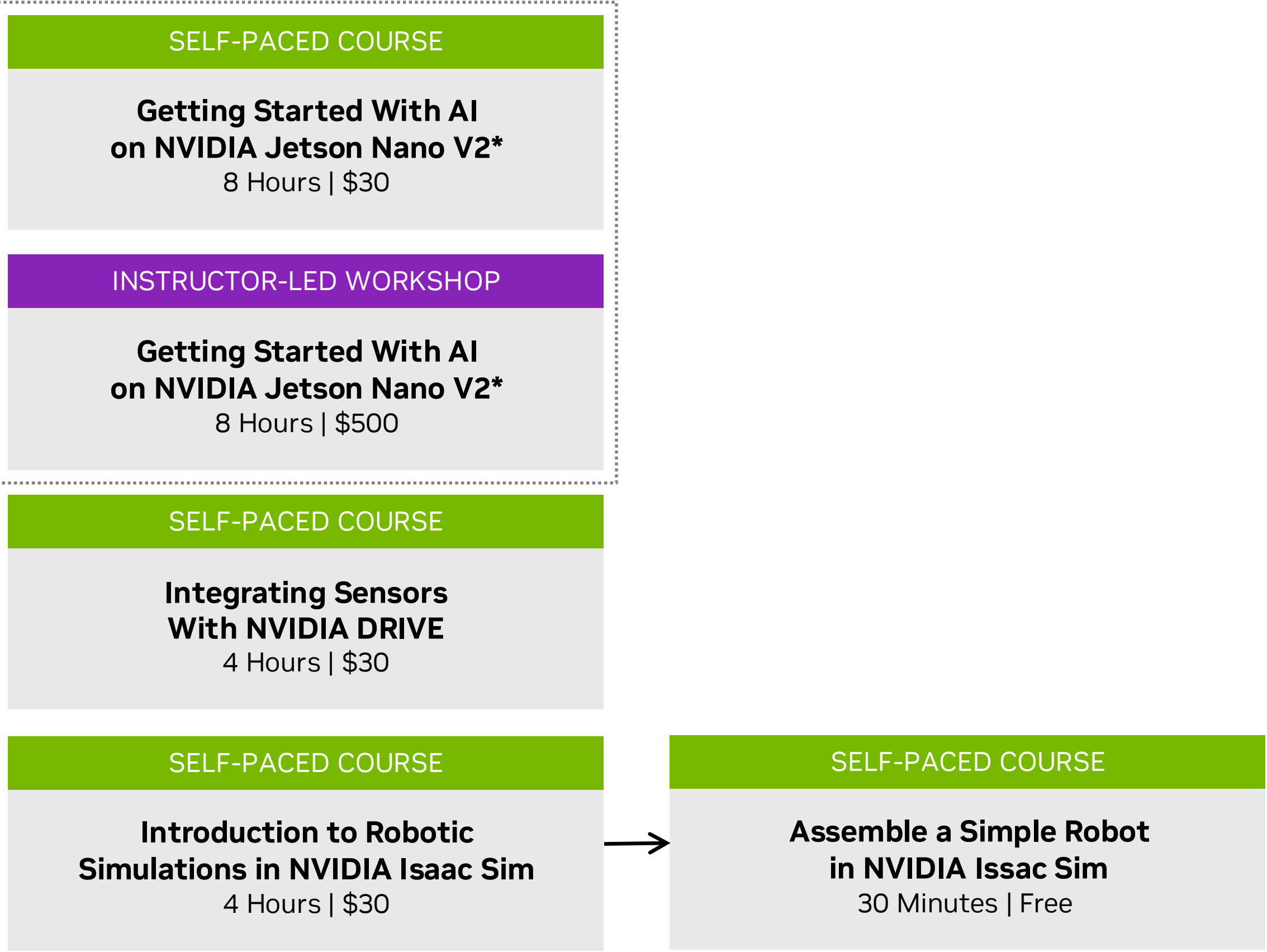


COURSE LEGEND

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Edge Computing Training

For developers



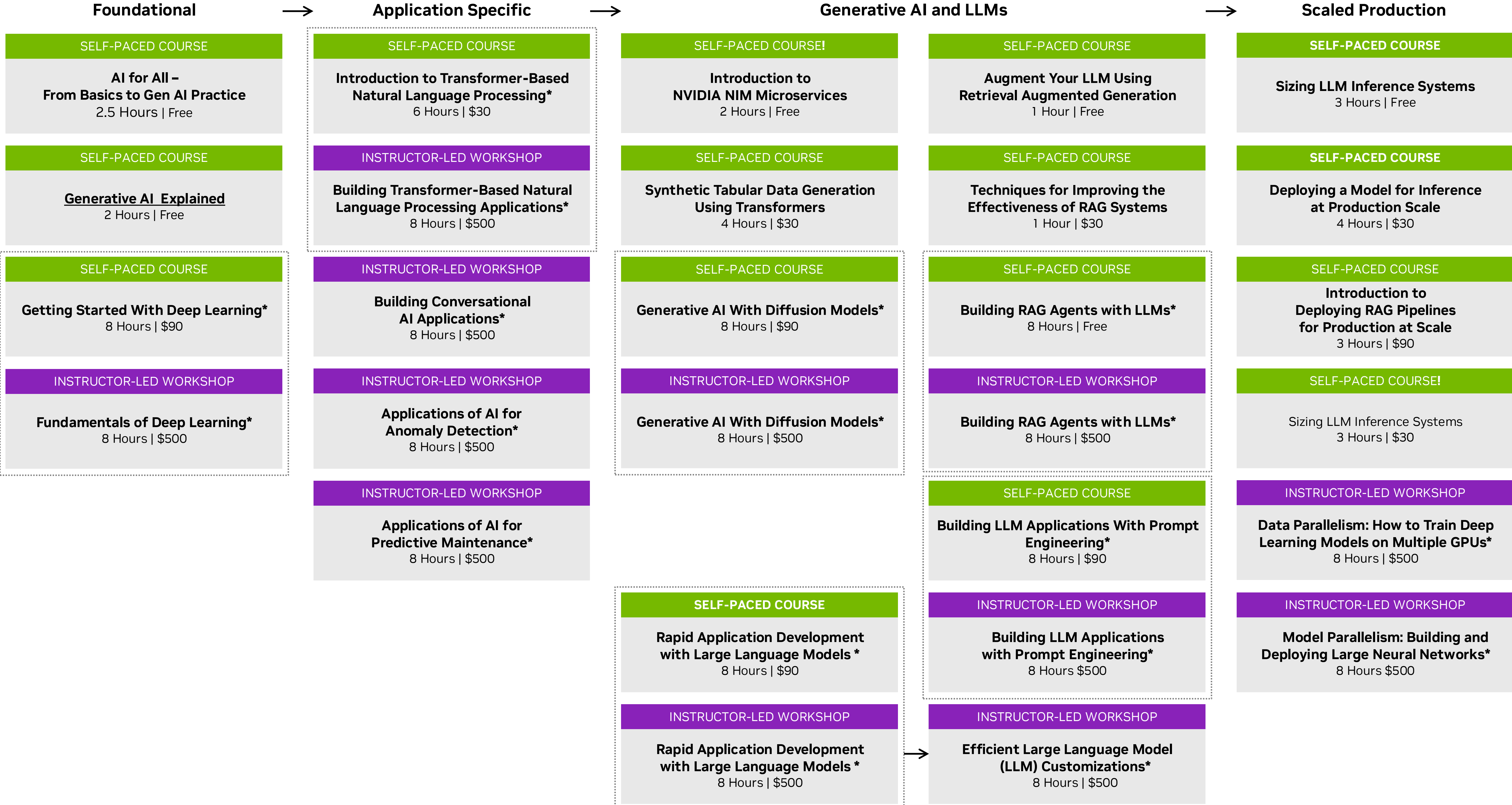
COURSE LEGEND

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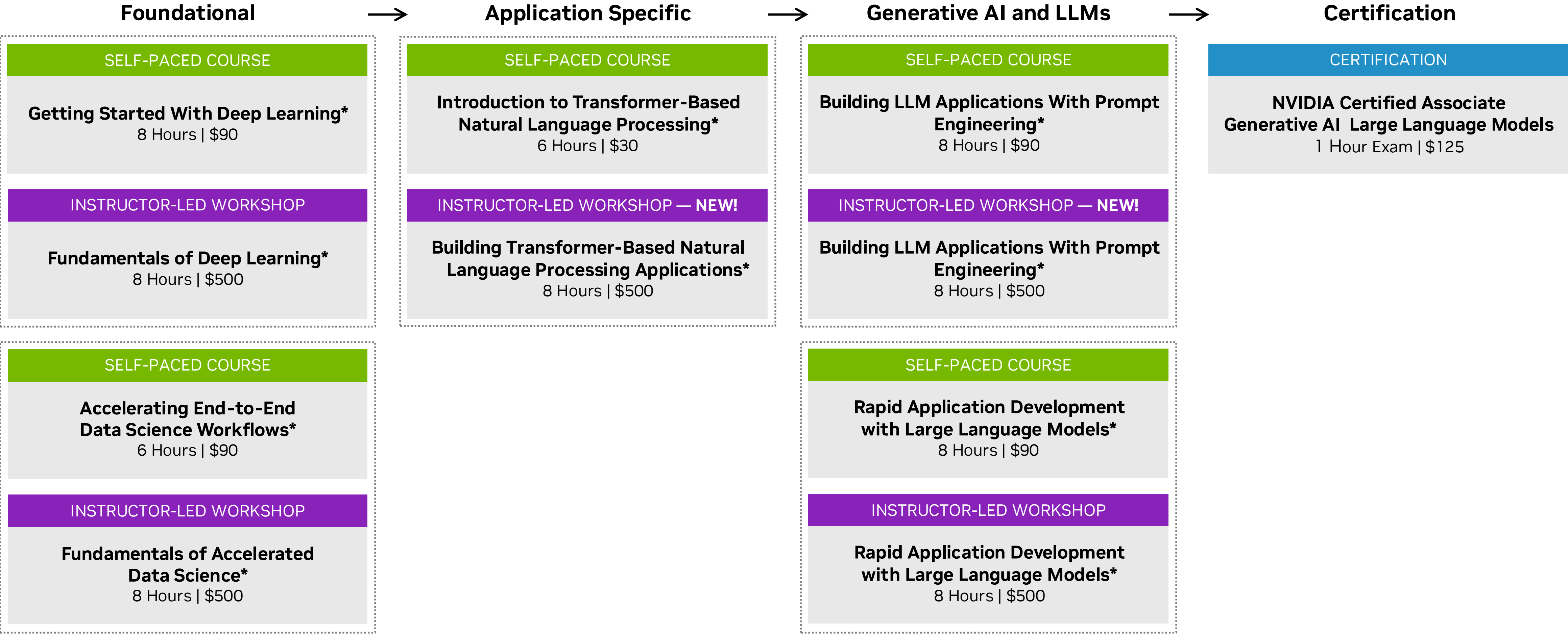


Generative AI and Large Language Models Training

For developers



Recommended Training for Gen AI 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)

COURSE LEGEND

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NVIDIA Certificate of Competency

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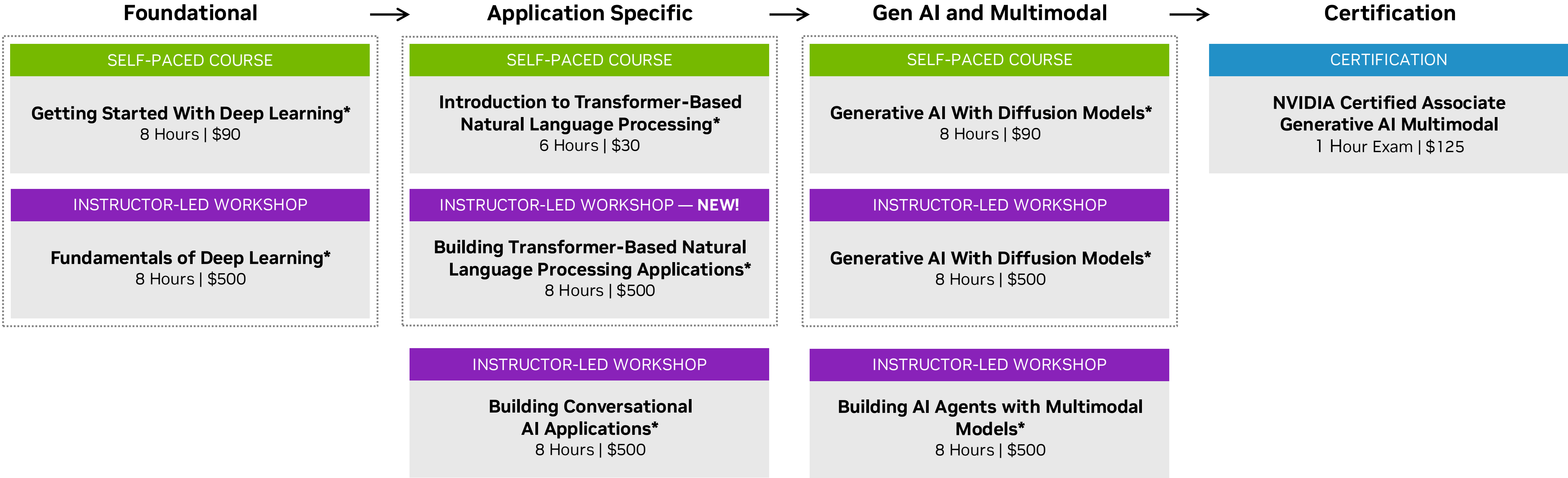
Digital Badge Available

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Braces Indicate Alternate Paths



Recommended Training for Gen AI Multimodal Certification



Additional resources to prepare for the exam:

- [High-Resolution Image Synthesis via Two-Stage Generative Models](#) (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)

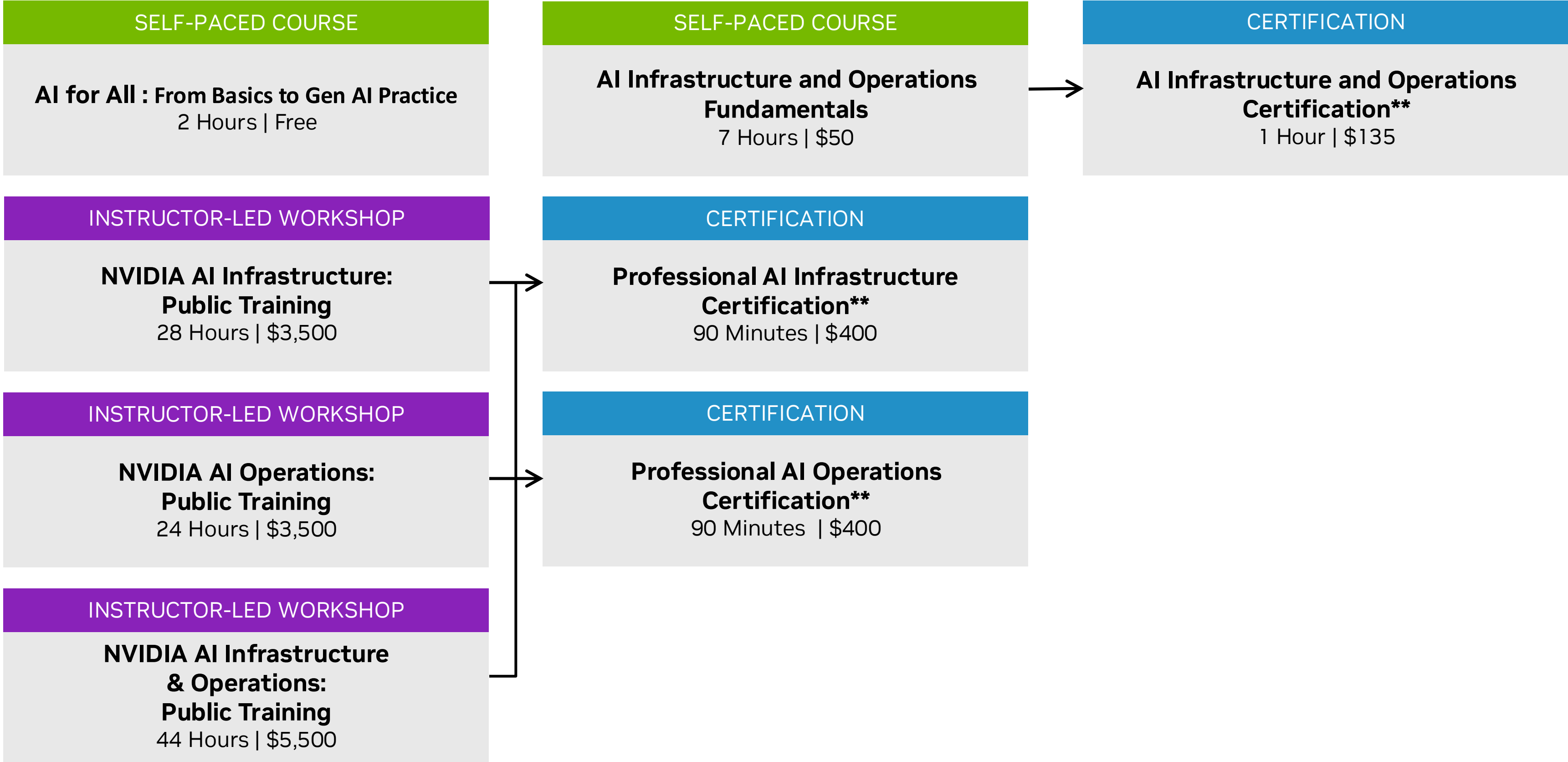
COURSE LEGEND

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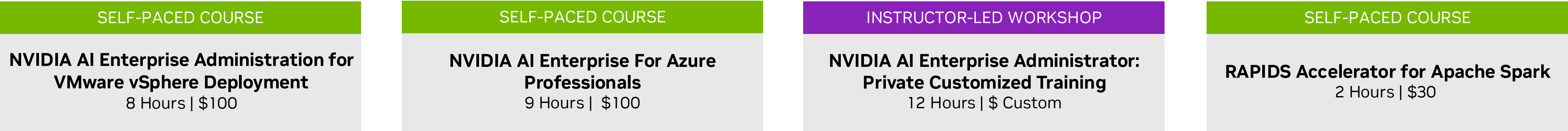
Infrastructure for Generative AI and Large Language Models Training

For administrators

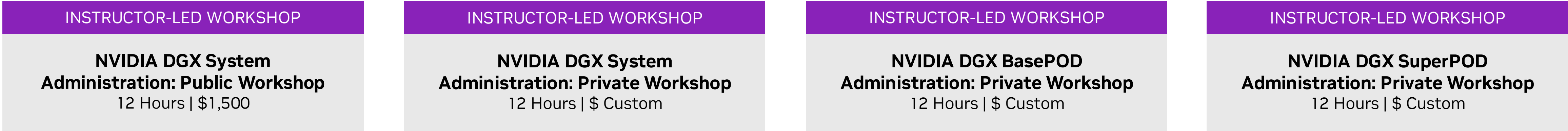
Overview



NVIDIA AI Enterprise



NVIDIA DGX



Introduction to Networking



Additional Recommended Training



COURSE LEGEND

- * 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

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

Financial Services

SELF-PACED COURSE

Digital Fingerprinting With NVIDIA Morpheus
1 Hour | Free

INSTRUCTOR-LED WORKSHOP

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

INSTRUCTOR-LED WORKSHOP

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

Manufacturing

INSTRUCTOR-LED WORKSHOP

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

INSTRUCTOR-LED WORKSHOP

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

Transportation

SELF-PACED COURSE

Integrating Sensors With NVIDIA DRIVE
4 Hours | \$30

Healthcare and Life Sciences

SELF-PACED COURSE

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

SELF-PACED COURSE

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

COURSE LEGEND

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NVIDIA Certificate of Competency

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Digital Badge Available

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Braces Indicate Alternate Paths

Networking Training

For administrators

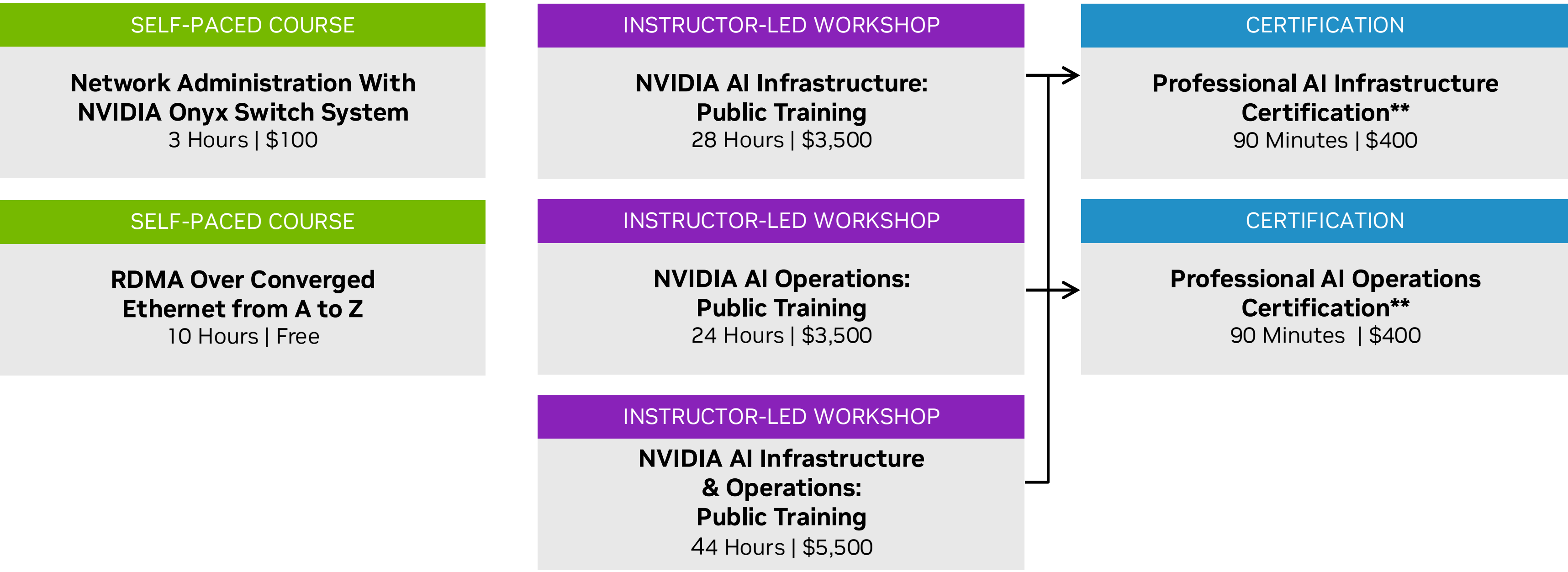
Overview



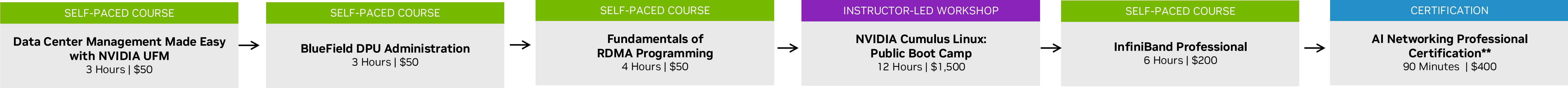
NVIDIA Cumulus



Other



AI Networking



COURSE LEGEND

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



Robotics

For developers

Robotics Foundations

SELF-PACED COURSE

A Beginner's Guide to Autonomous Robots
1 Hour | Free

SELF-PACED COURSE

An Introduction to AI-Based Robot Development With Isaac ROS
1/2 Hour | Free

Getting Started with Isaac Sim

SELF-PACED COURSE

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

SELF-PACED COURSE

Developing Robots with Software-in-the-Loop (SIL) in Isaac Sim
2 Hours | Free

SELF-PACED COURSE

Leveraging ROS 2 and Hardware-in-the-Loop (HIL) in Isaac Sim
2 Hour | Free

Getting Started with Isaac Lab

SELF-PACED COURSE

An Introduction to Robot Learning and Isaac Lab
3 Hours | Free

SELF-PACED COURSE

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

SELF-PACED COURSE

Understanding Isaac Lab Configuration Mechanisms
(Coming soon)

SELF-PACED COURSE

Using Manager-Based vs. Direct Environments in Isaac Lab
(Coming soon)

SELF-PACED COURSE

Developing Custom Manager-Based Reinforcement Learning Tasks
(Coming soon)

Jetson Nano

SELF-PACED COURSE

Getting Started with AI on Jetson Nano
8 Hours | \$90

INSTRUCTOR-LED WORKSHOP

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

COURSE LEGEND

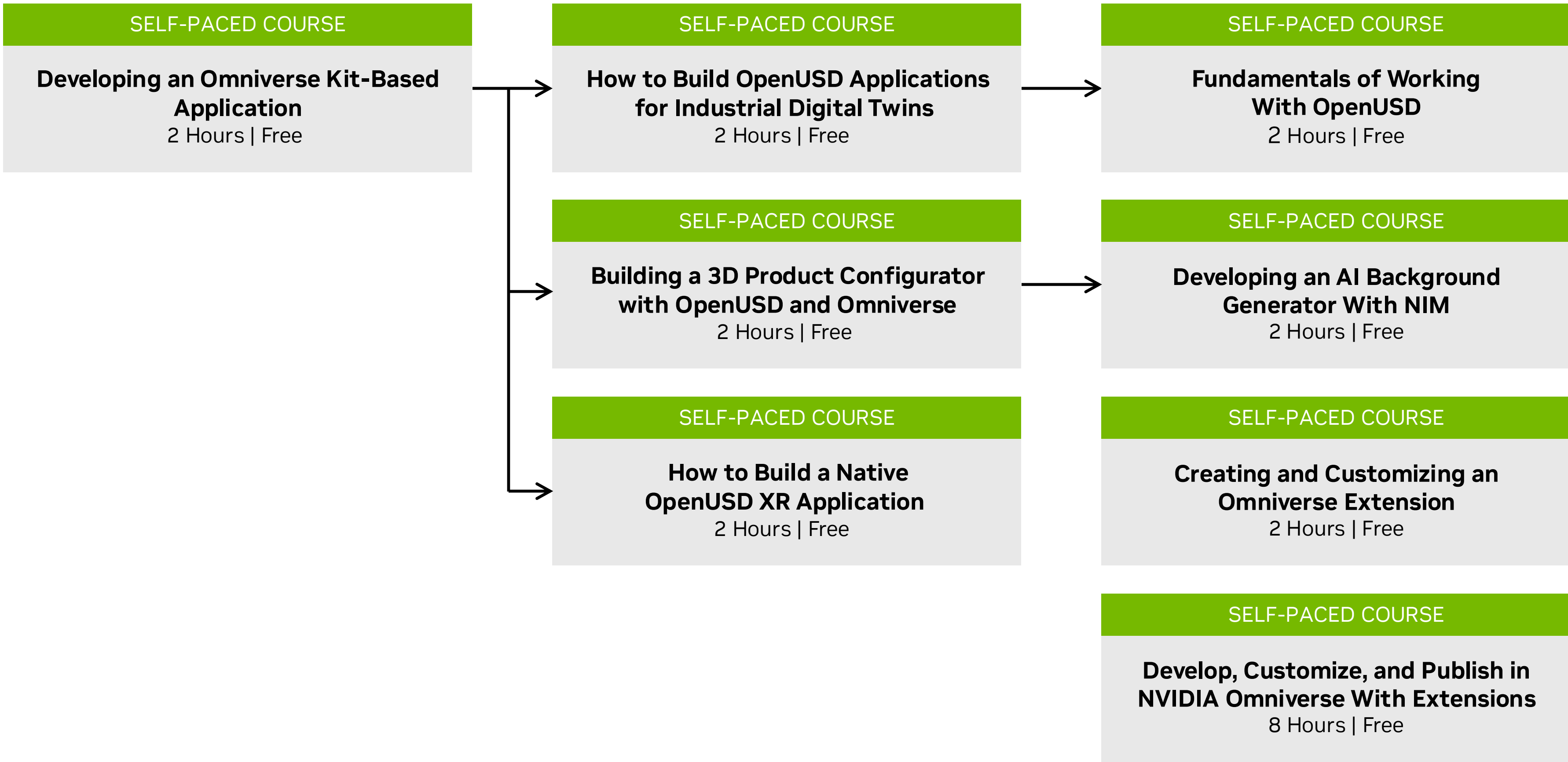
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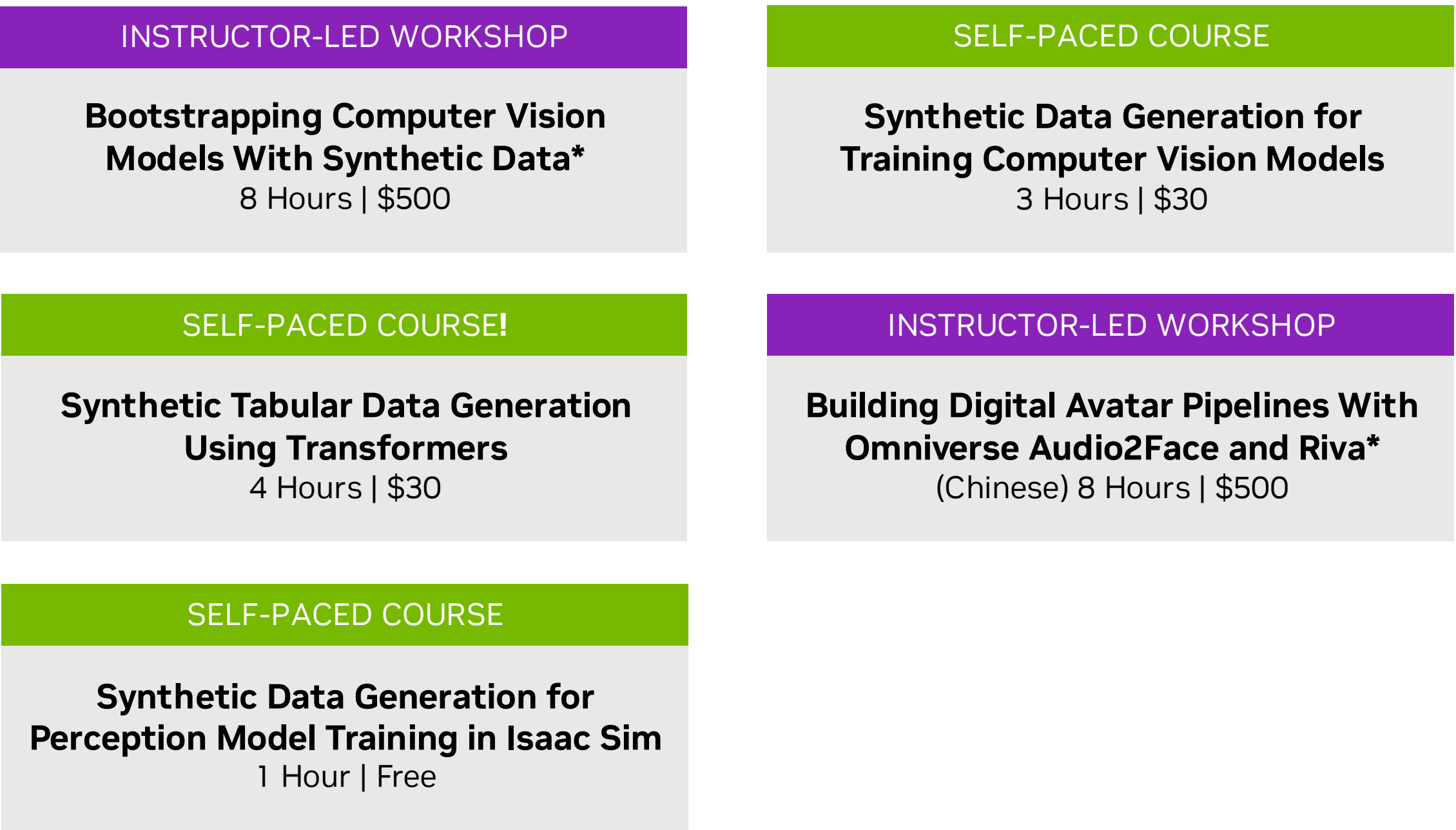
Simulation, Modeling, and Design Training

For developers and administrators

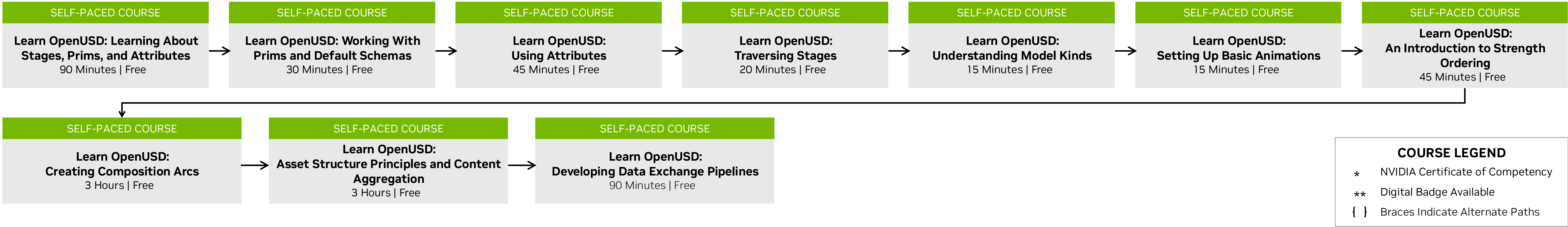
Omniverse Kit-Based Development



Simulation and Synthetic Data



OpenUSD

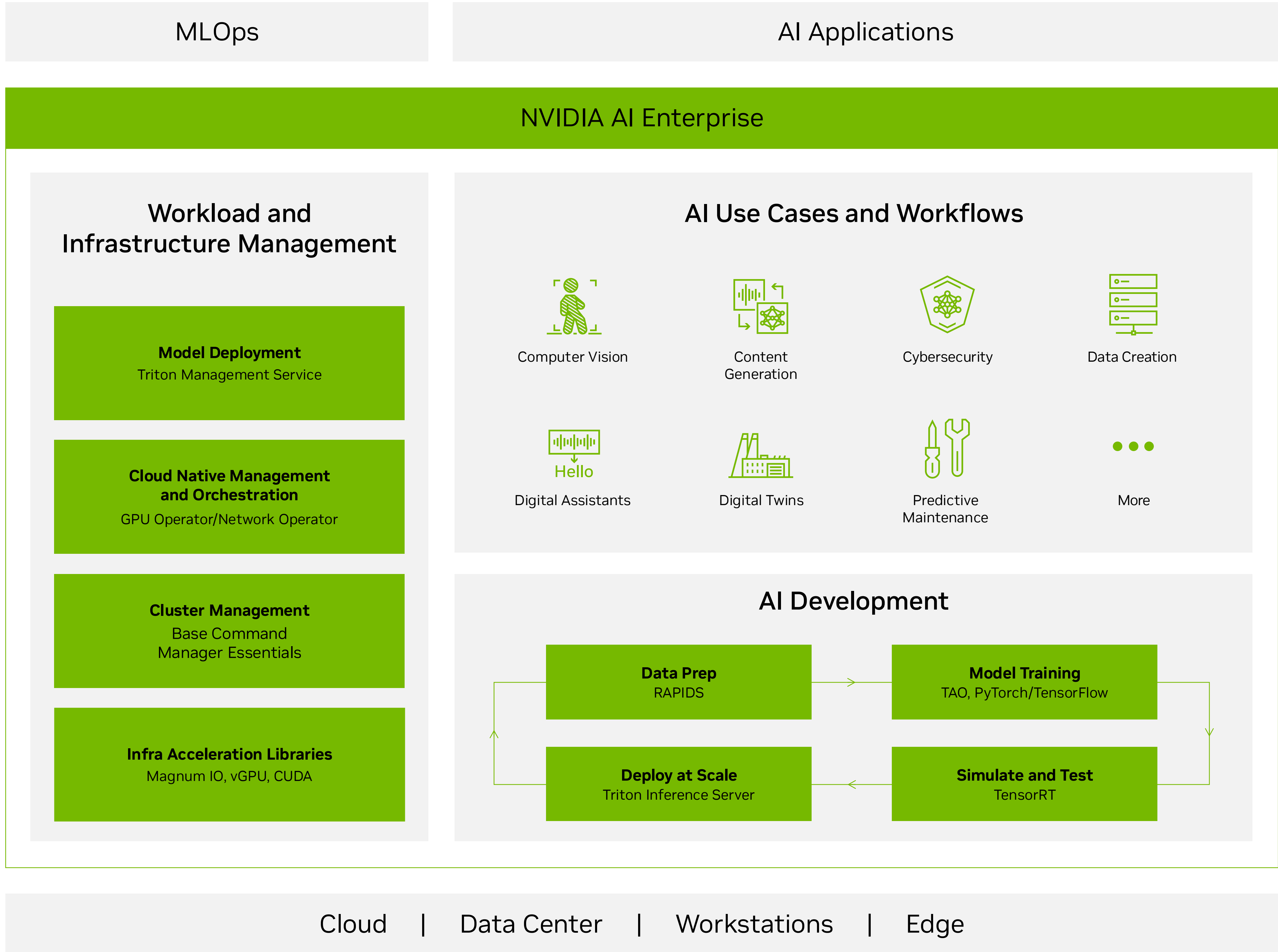


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NVIDIA AI Enterprise Learning Paths

NVIDIA AI Enterprise Training and Certification

Training in three key areas



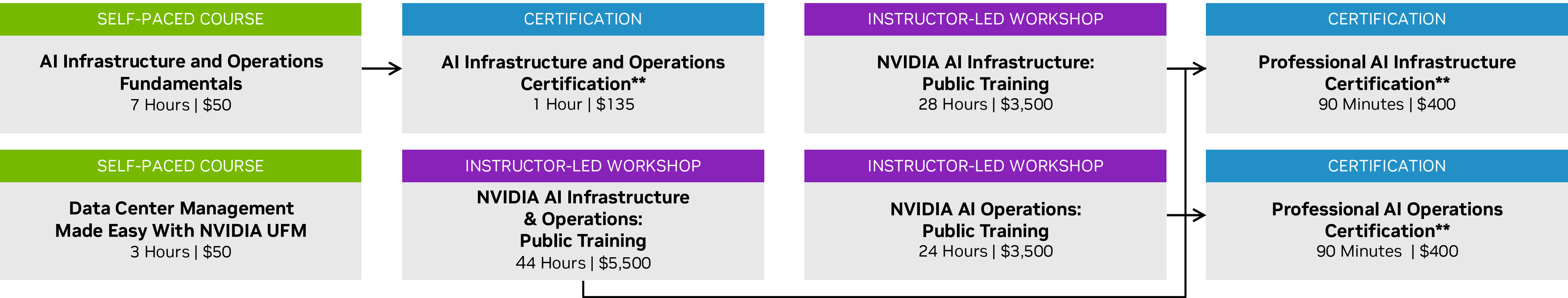


NVIDIA AI Enterprise Workload and Infrastructure Management

NVIDIA AI Enterprise Training

Workload and infrastructure management

Fundamentals



COURSE LEGEND

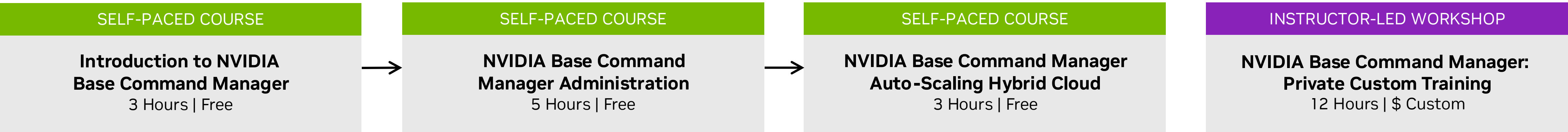
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NVIDIA AI Enterprise



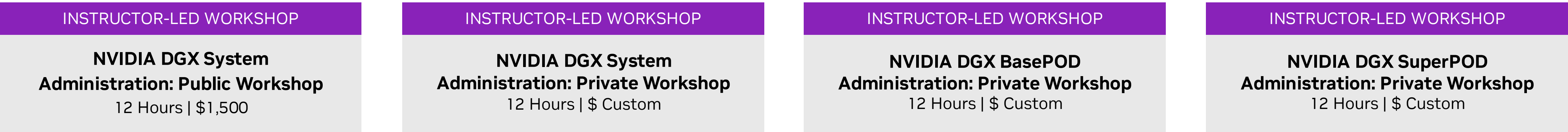
NVIDIA Base Command Manager

Choose the courses that best match your learning needs.

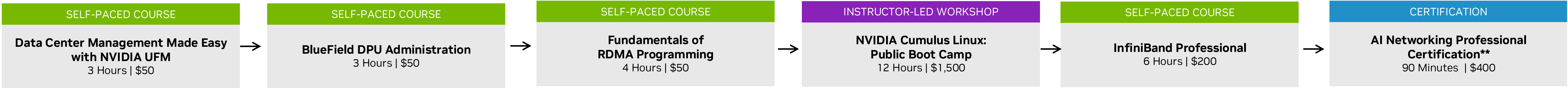



NVIDIA DGX

Choose the courses that best match your learning needs.



AI Networking





NVIDIA AI Enterprise AI Use Cases & Workflows

NVIDIA AI Enterprise Training

AI use cases and workflows

Computer Vision and Video Analytics

SELF-PACED COURSE

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

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

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

SELF-PACED COURSE

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

SELF-PACED COURSE

Getting Started With
Image Segmentation
2 Hours | \$30

SELF-PACED COURSE

Disaster Risk Monitoring
Using Satellite Imagery
8 Hours | Free

INSTRUCTOR-LED WORKSHOP

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

INSTRUCTOR-LED WORKSHOP

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

INSTRUCTOR-LED WORKSHOP

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

SELF-PACED COURSE — NEW!

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

SELF-PACED COURSE

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

COURSE LEGEND

*

 NVIDIA Certificate of Competency

**

 Digital Badge Available

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 Braces Indicate Alternate Paths

NVIDIA AI Enterprise Training

AI use cases and workflows

Content Generation



COURSE LEGEND

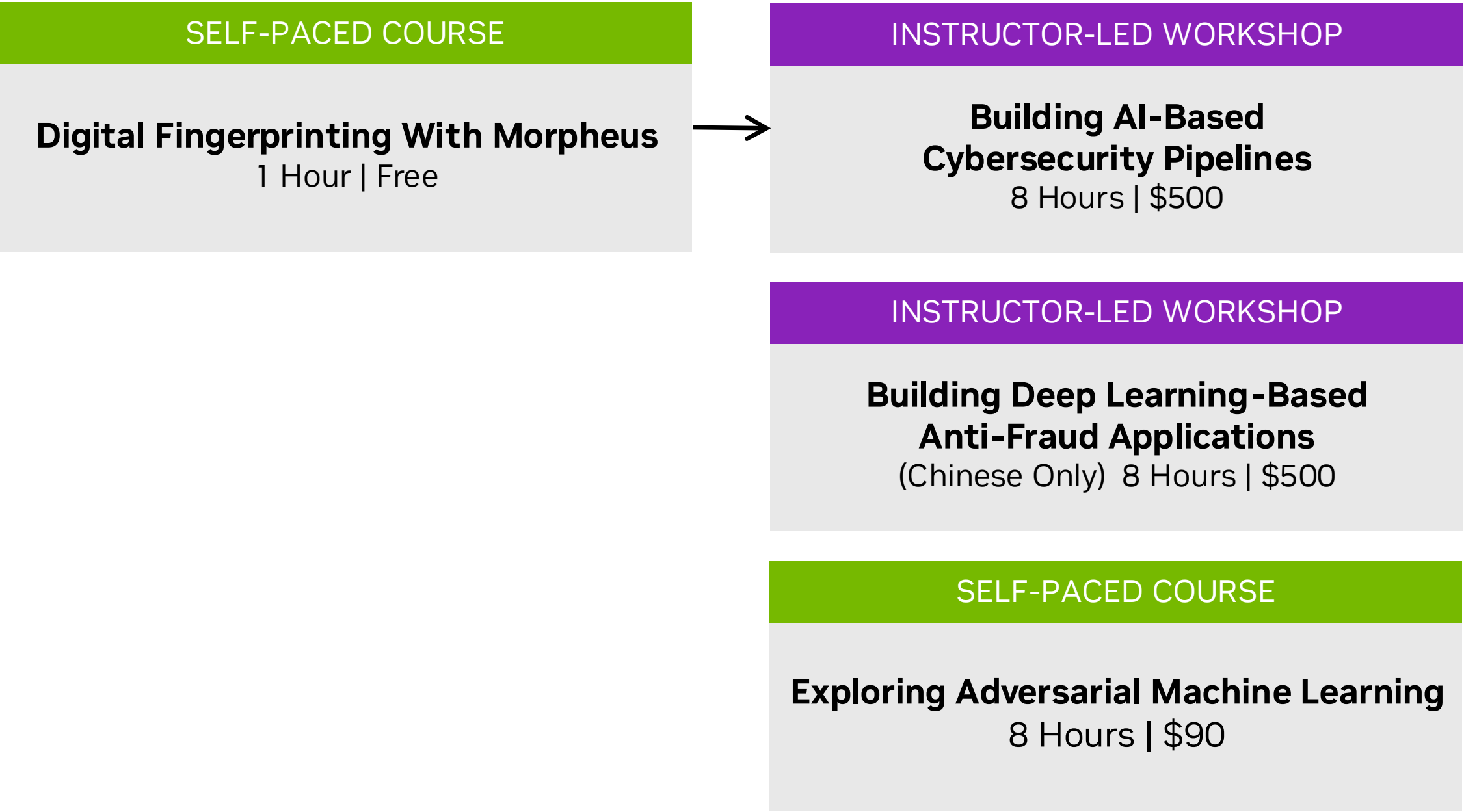
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NVIDIA AI Enterprise Training

AI use cases and workflows

Cybersecurity & Fraud Detection



COURSE LEGEND

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- { } Braces Indicate Alternate Paths



NVIDIA AI Enterprise Training

AI use cases and workflows

Data Creation

INSTRUCTOR-LED WORKSHOP	SELF-PACED COURSE
Bootstrapping Computer Vision Models With Synthetic Data* 8 Hours \$500	Synthetic Tabular Data Generation Using Transformers 4 Hours \$30

Digital Assistants

SELF-PACED COURSE	SELF-PACED COURSE	
AI for All – From Basics to Gen AI Practice 2.5 Hours Free	Introduction to Transformer-Based Natural Language Processing* 6 Hours \$30	
SELF-PACED COURSE	INSTRUCTOR-LED WORKSHOP	INSTRUCTOR-LED WORKSHOP
<u>Generative AI Explained</u> 2 Hours Free	Building Transformer-Based Natural Language Processing Applications* 8 Hours \$500	Data Parallelism: How to Train Deep Learning Models on Multiple GPUs* 8 Hours \$500
SELF-PACED COURSE	INSTRUCTOR-LED WORKSHOP	INSTRUCTOR-LED WORKSHOP
Getting Started With Deep Learning* 8 Hours \$90	Building Conversational AI Applications* 8 Hours \$500	Model Parallelism: Building and Deploying Large Neural Networks* 8 Hours \$500
INSTRUCTOR-LED WORKSHOP		
Fundamentals of Deep Learning* 8 Hours \$500		

COURSE LEGEND

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NVIDIA AI Enterprise Training

AI use cases and workflows

Digital Twins

OpenUSD Fundamentals

SELF-PACED COURSE	SELF-PACED COURSE	SELF-PACED COURSE	SELF-PACED COURSE
Learn OpenUSD: Learning About Stages, Prims, and Attributes 90 Minutes Free	Learn OpenUSD: Working With Prims and Default Schemas 30 Minutes Free	Learn OpenUSD: Using Attributes 45 Minutes Free	Learn OpenUSD: Traversing Stages 20 Minutes Free
SELF-PACED COURSE	SELF-PACED COURSE	SELF-PACED COURSE	
Learn OpenUSD: Understanding Model Kinds 15 Minutes Free	Learn OpenUSD: Setting Up Basic Animations 15 Minutes Free	Learn OpenUSD: An Introduction to Strength Ordering 45 Minutes Free	
SELF-PACED COURSE	SELF-PACED COURSE	SELF-PACED COURSE	
Building a 3D Product Configurator with OpenUSD And Omniverse 2 Hours Free	How to Build Native OpenUSD XR Applications 2 Hours Free	How to Build OpenUSD Applications for Industrial Digital Twins 2 Hours Free	

Predictive Maintenance

INSTRUCTOR-LED WORKSHOP	INSTRUCTOR-LED WORKSHOP
Computer Vision for Industrial Inspection* 8 Hours \$500	Applications of AI for Predictive Maintenance* 8 Hours \$500

COURSE LEGEND

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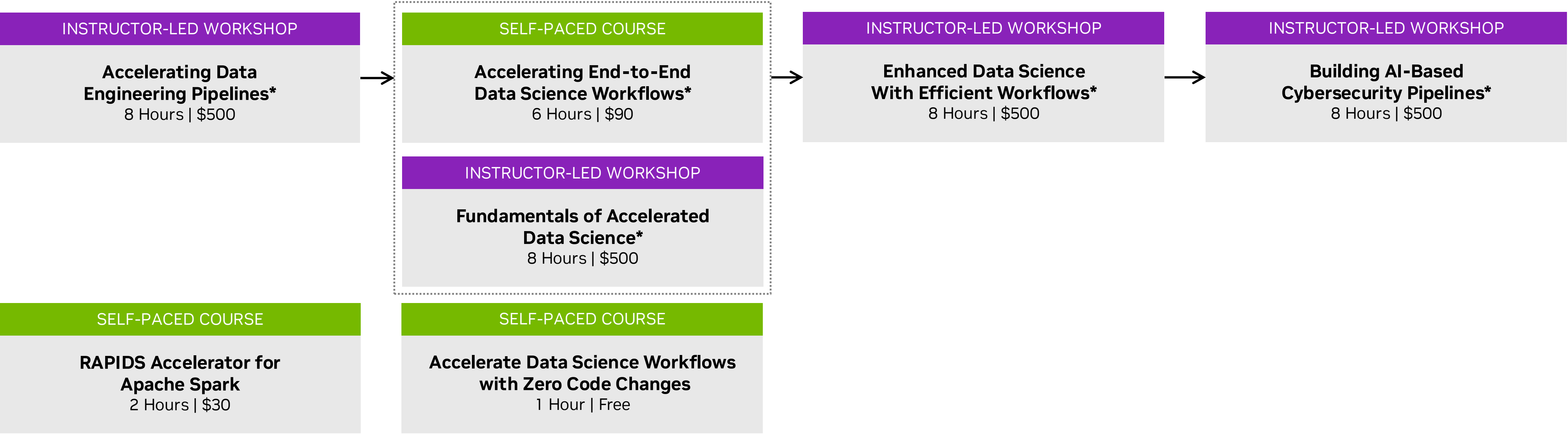


NVIDIA AI Enterprise AI Development

NVIDIA AI Enterprise Training

AI development

Data Prep (Rapids)



COURSE LEGEND

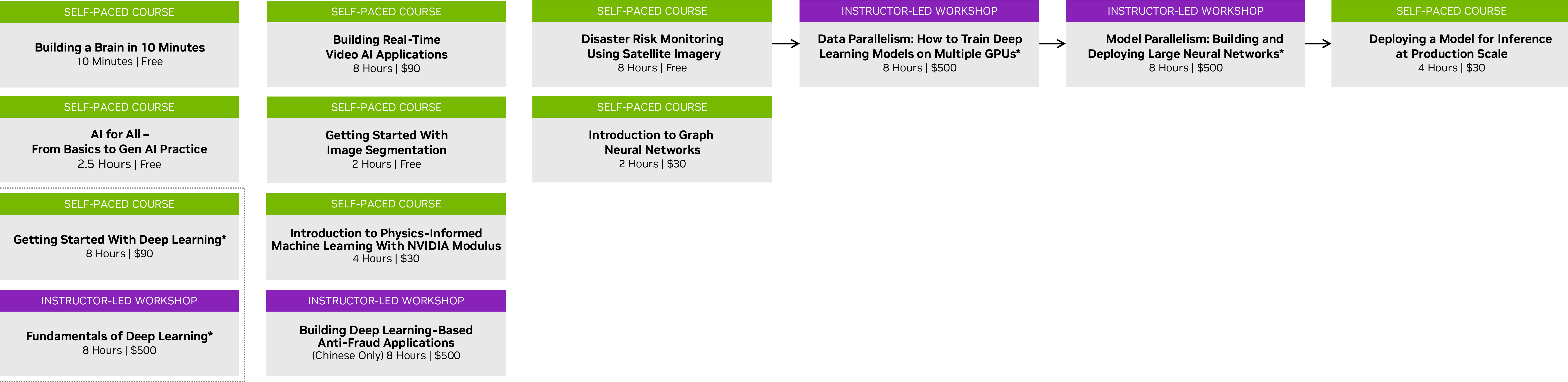
- * NVIDIA Certificate of Competency
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NVIDIA AI Enterprise Training

AI development

Model Training (TAO PyTorch/Tensor Flow)



COURSE LEGEND

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- ** Digital Badge Available
- { } Braces Indicate Alternate Paths



NVIDIA AI Enterprise Training

AI development

Simulation & Test (TensorRT)

SELF-PACED COURSE	SELF-PACED COURSE
Building Real-Time Video AI Applications 8 Hours \$90	Deploying a Model for Inference at Production Scale 4 Hours \$30
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	
Synthetic Data Generation for Training Computer Vision Models 3 Hours \$30	

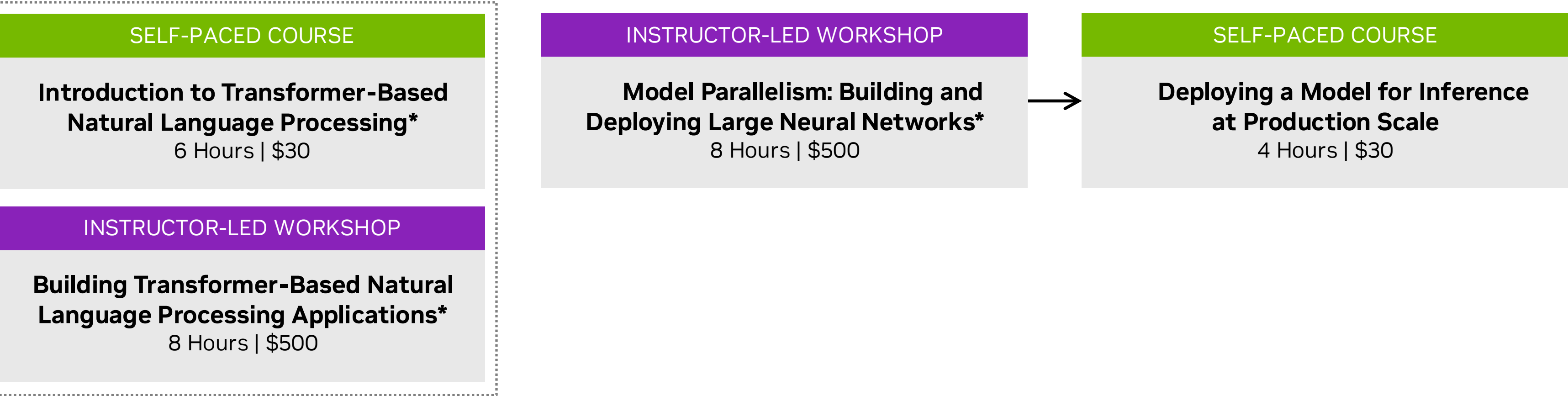
COURSE LEGEND

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NVIDIA AI Enterprise Training

AI development

Deploy & Scale (Triton)



COURSE LEGEND

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