



Learning Paths for Developers and Administrators

August 2024

Learning Paths by Role and Topic

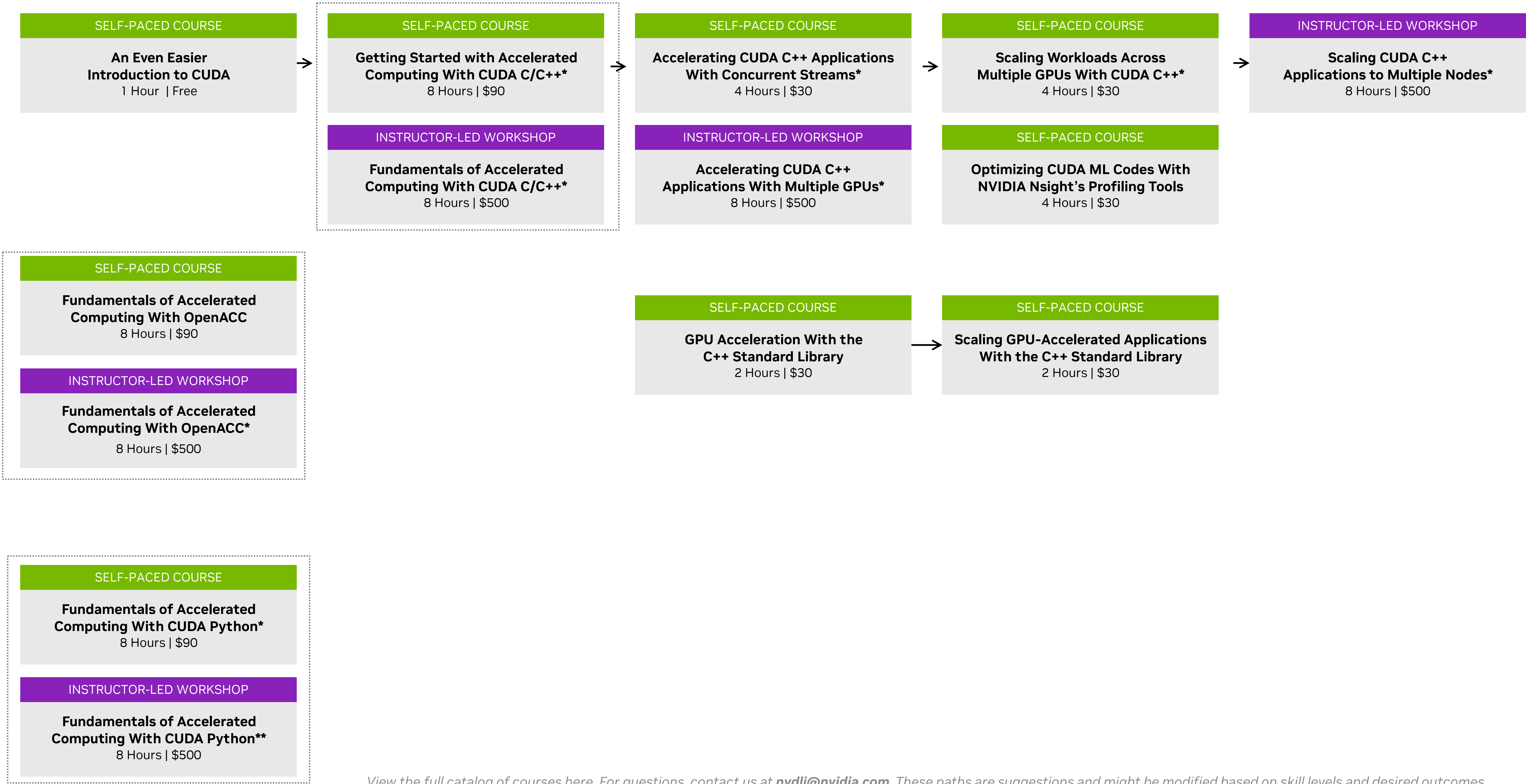
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Industry-Related Training	
NVIDIA AI Enterprise	
Simulation, Data Modeling, and Design	

To develop a customized training plan for your organization, connect with one of our [training advisors](#).

Accelerated Computing Training

For Developers



View the full catalog of courses [here](#). For questions, contact us at nvdl@nvidia.com. These paths are suggestions and might be modified based on skill levels and desired outcomes.
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Accelerated Computing Training

For Administrators

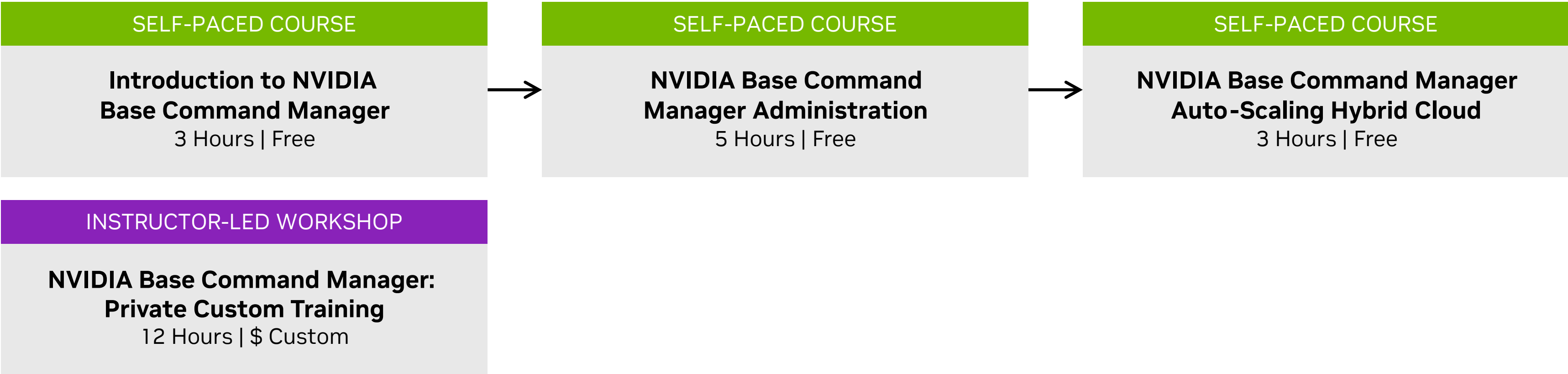
Overview



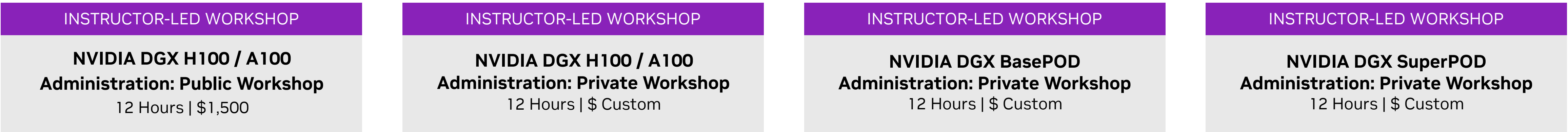
NVIDIA AI Enterprise Choose the courses that best match your learning needs.



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



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



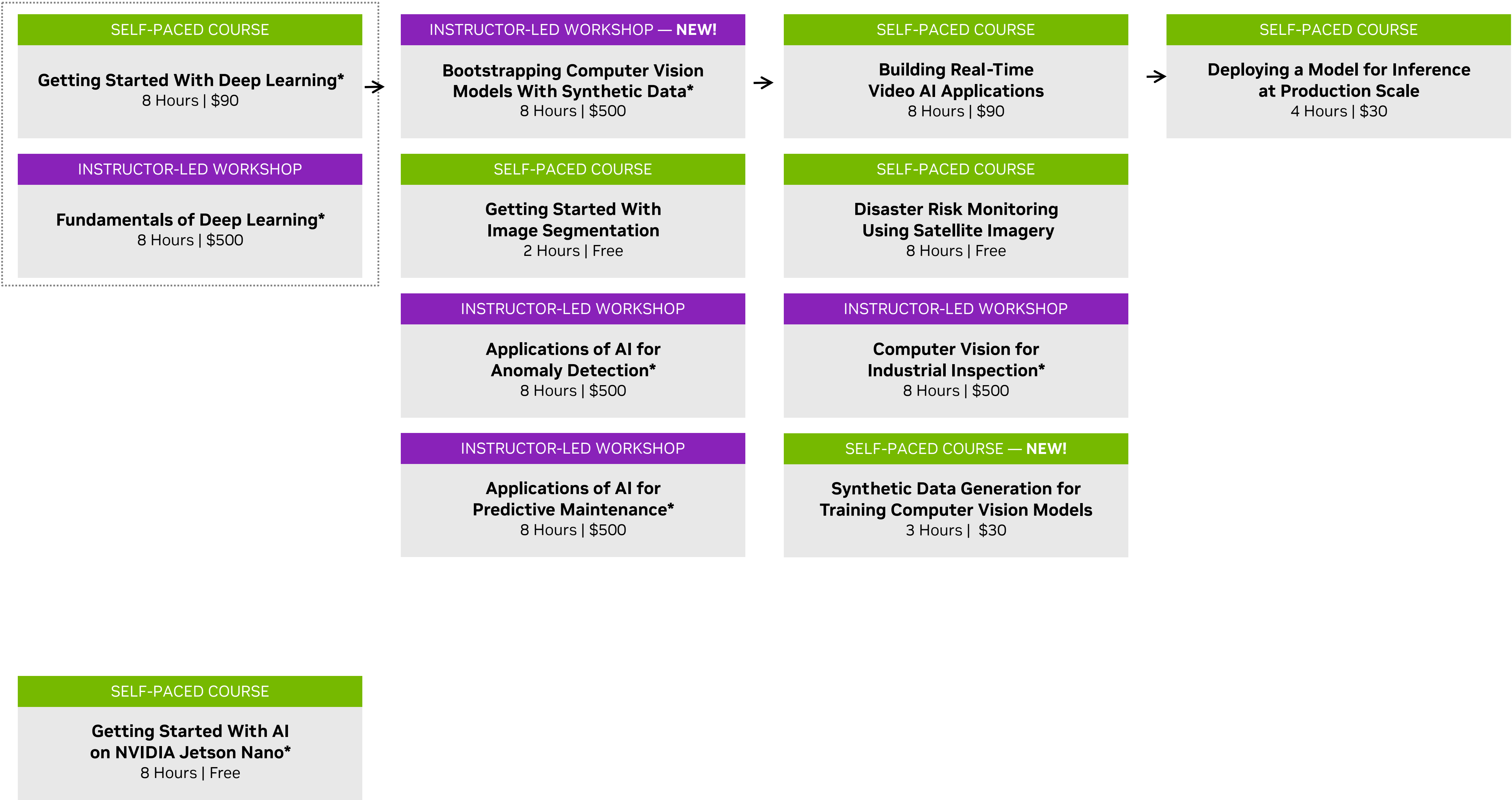
COURSE LEGEND

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

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Computer Vision and Video Analytics Training

For Developers



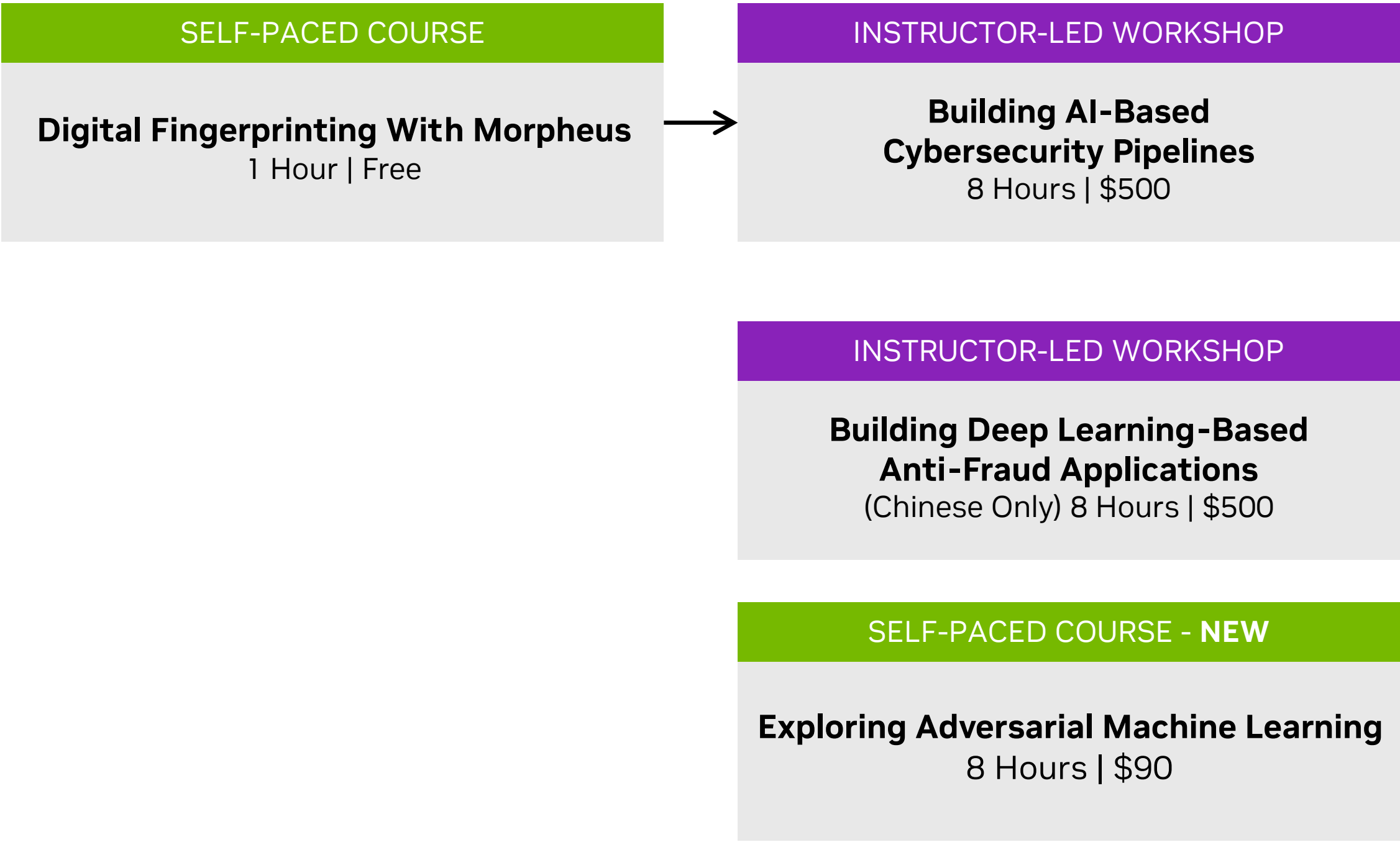
COURSE LEGEND

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Cybersecurity and Fraud Detection Training

For Developers



COURSE LEGEND

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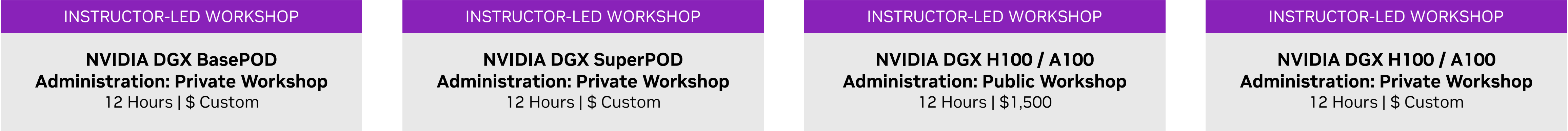
Data Center Overview Training

For Administrators

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



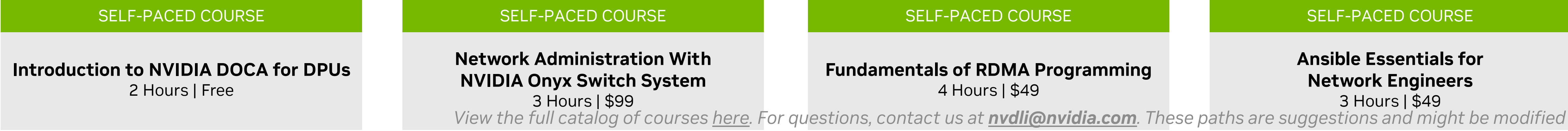
Compute Choose the courses that best match your learning needs.



Networking Choose the courses that best match your learning needs.



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



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Data Center and Cloud Training

For Administrators

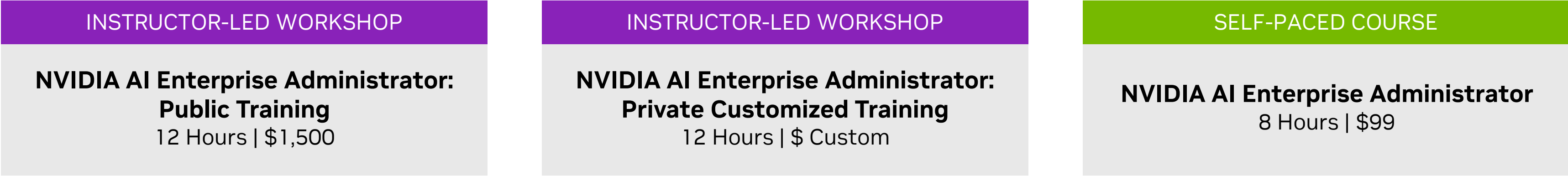
Overview



DPU and DOCA



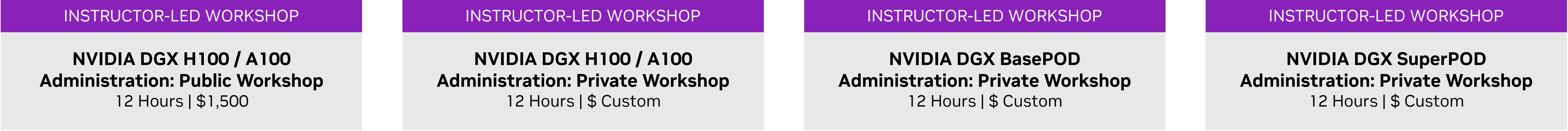
NVIDIA AI Enterprise Choose the courses that best match your learning needs.



Cluster Administration



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

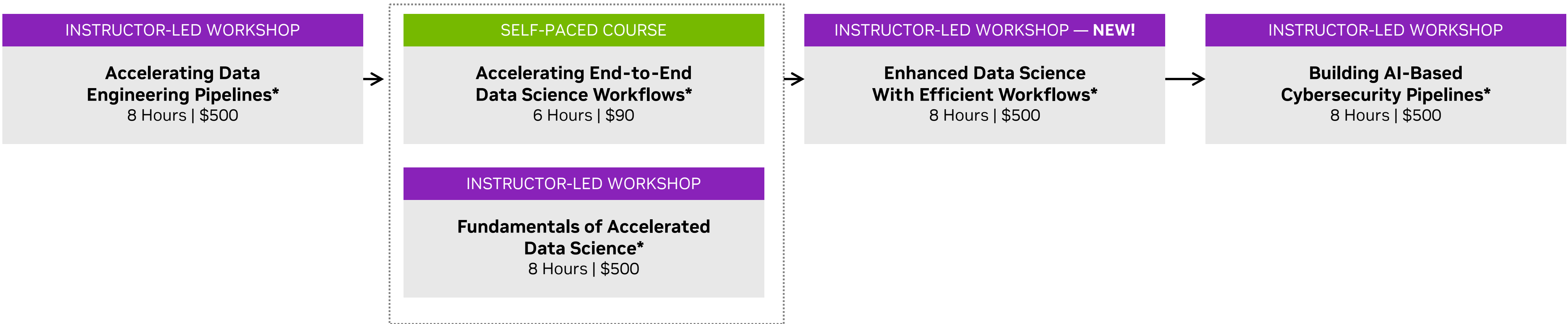


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Data Science Training

For Developers



SELF-PACED COURSE – **NEW!**

RAPIDS Accelerator for Apache Spark
2 Hours | \$30

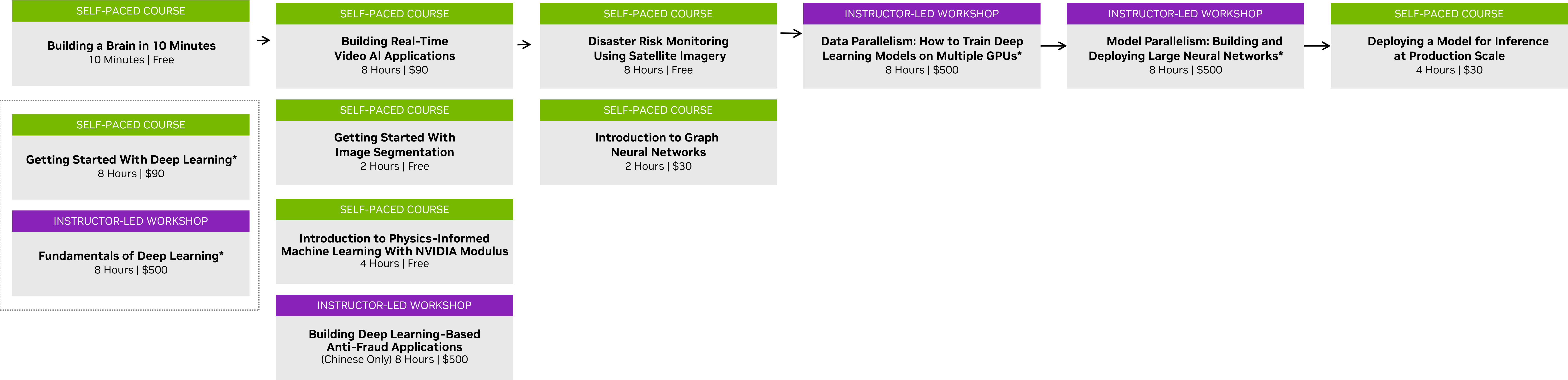
SELF-PACED COURSE – **NEW!**

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

COURSE LEGEND	
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Deep Learning Training

For Developers

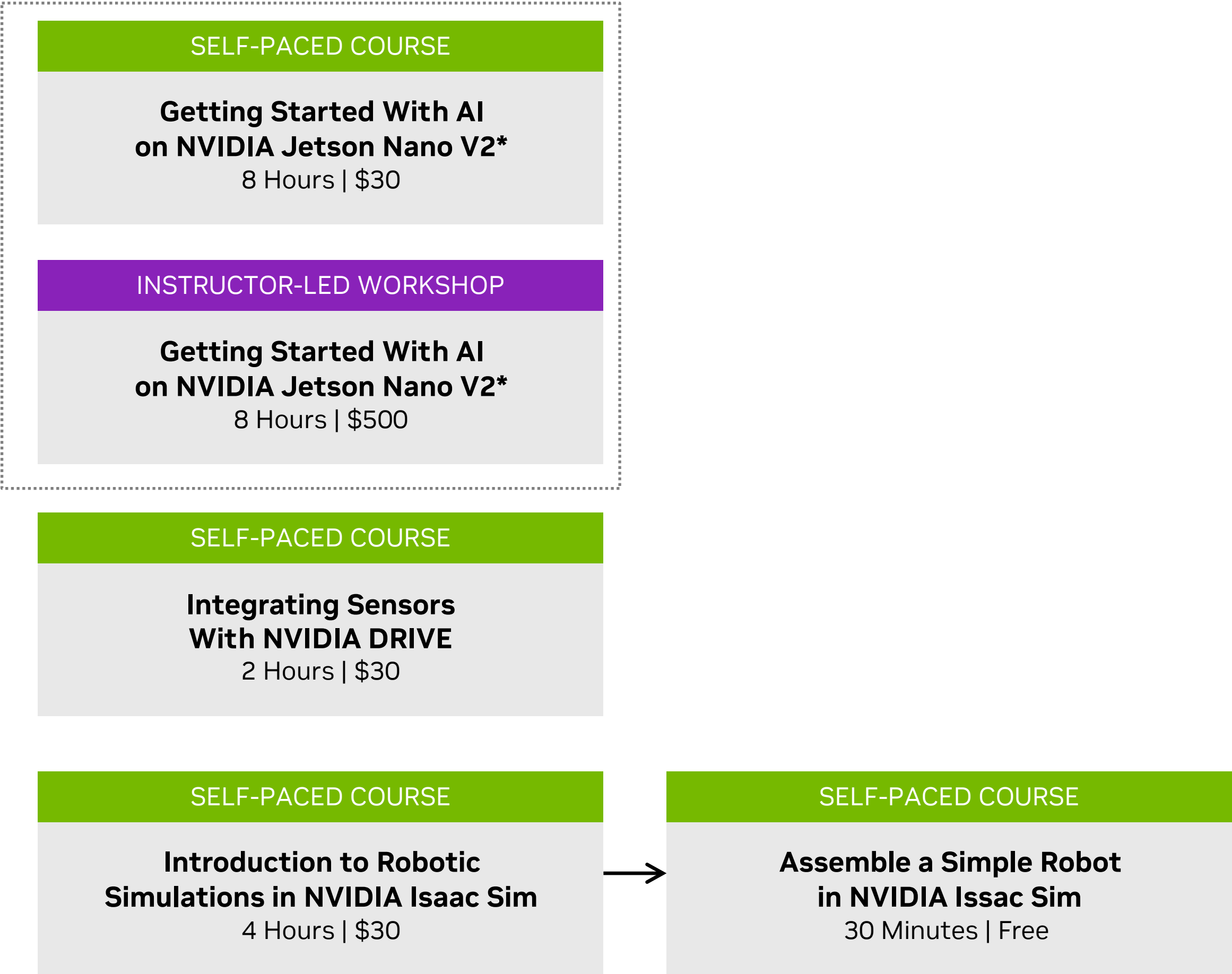


COURSE LEGEND

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Edge Computing Training

For Developers

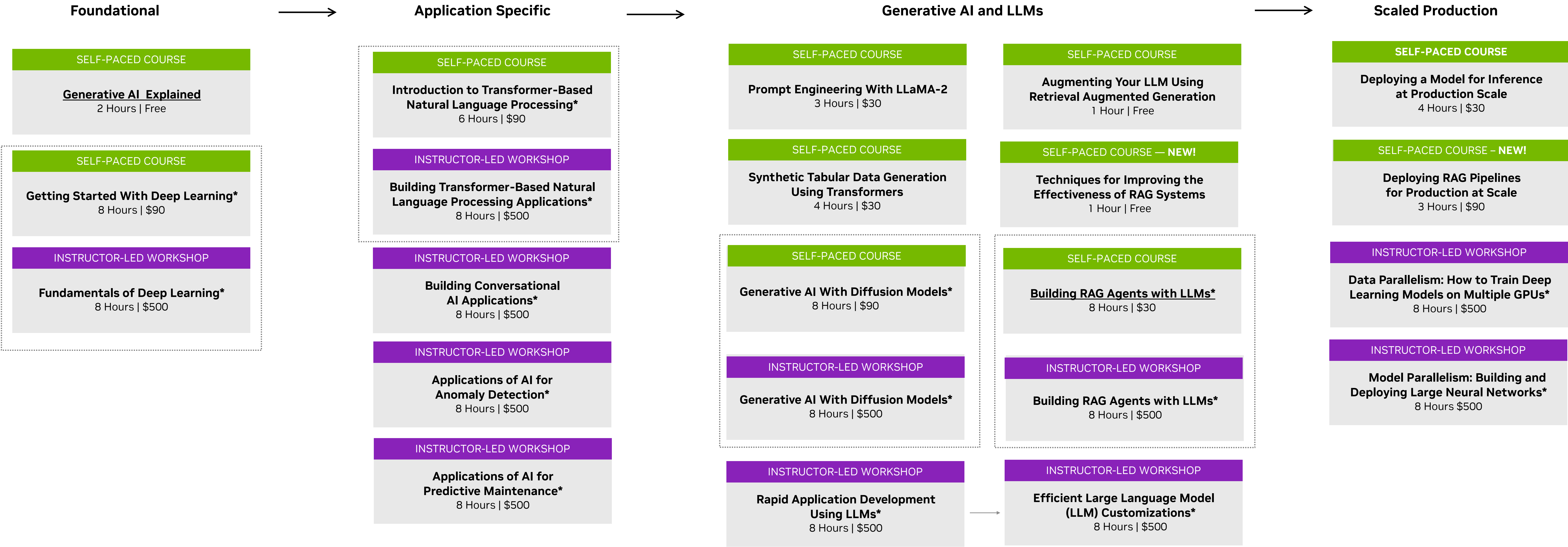


COURSE LEGEND

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Generative AI and Large Language Models Training

For Developers

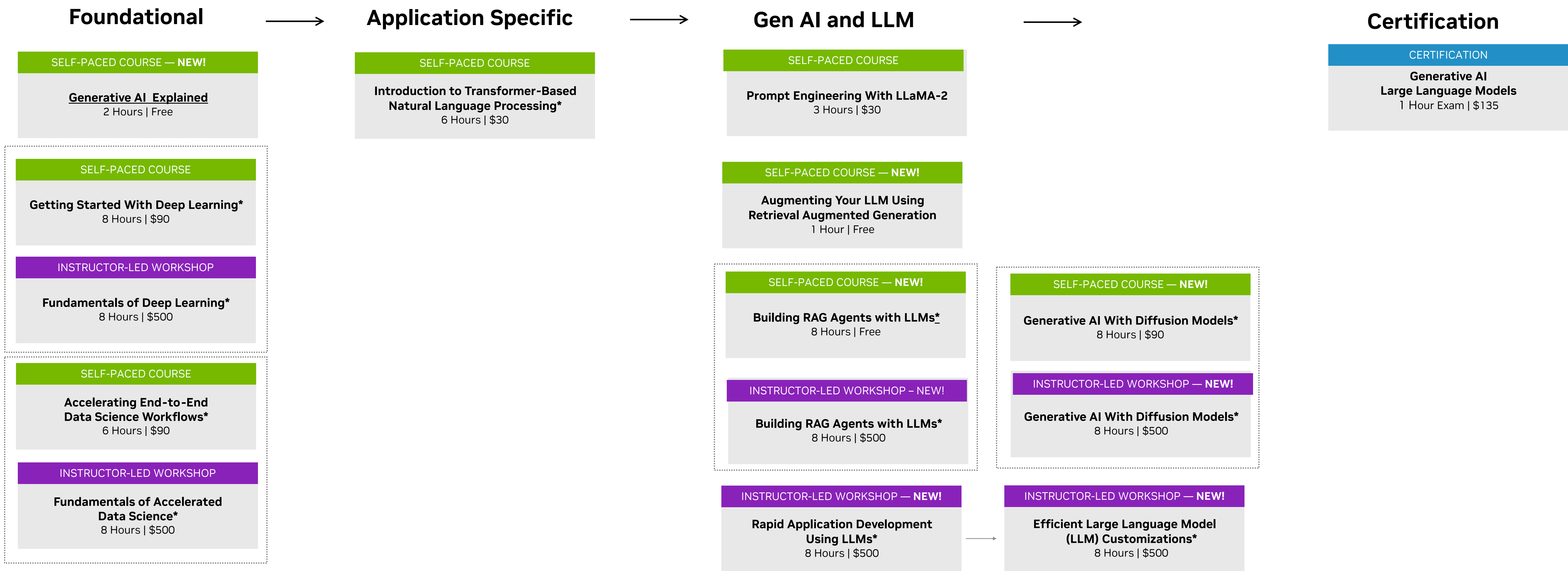


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Recommended Training for Gen AI LLM Certification



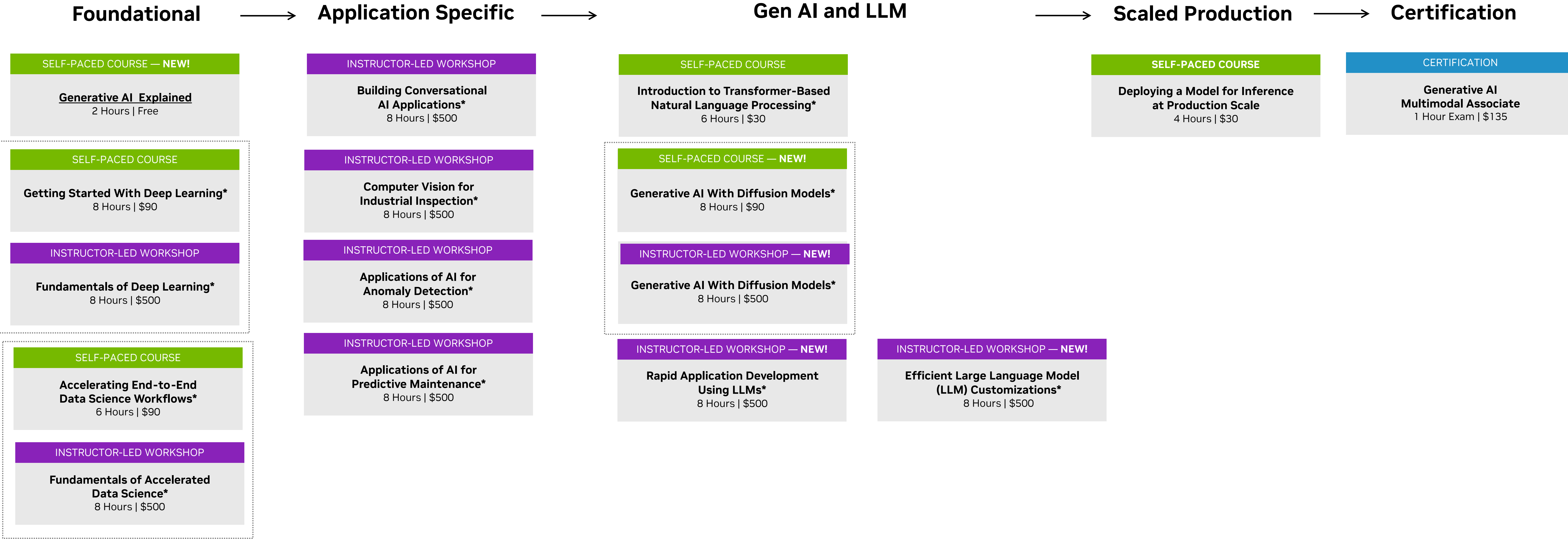
Additional resources to prepare for the exam:

- [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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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)

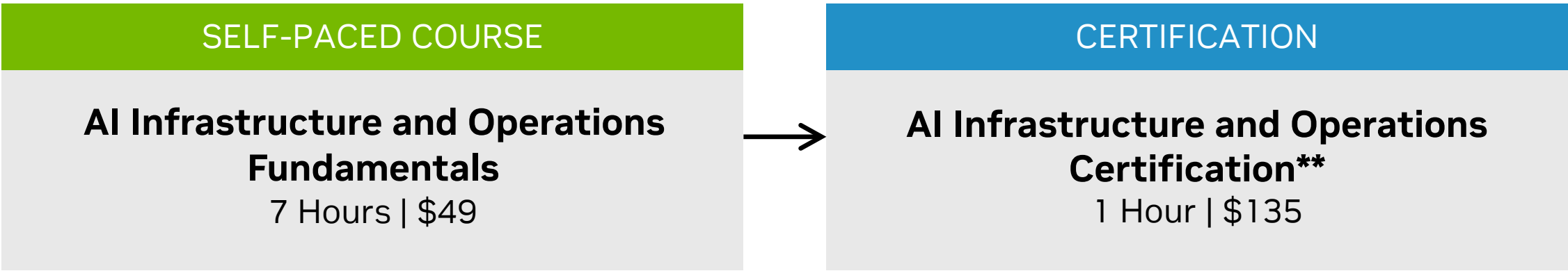
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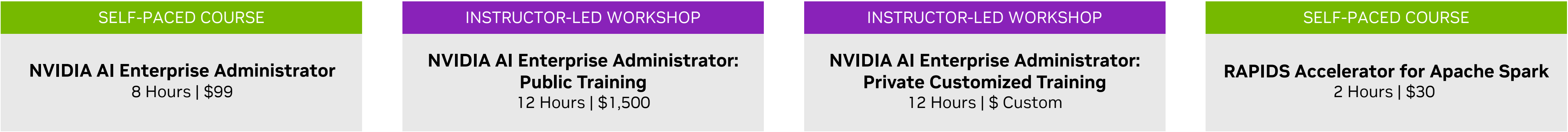
Infrastructure for Generative AI and Large Language Models Training

For Administrators

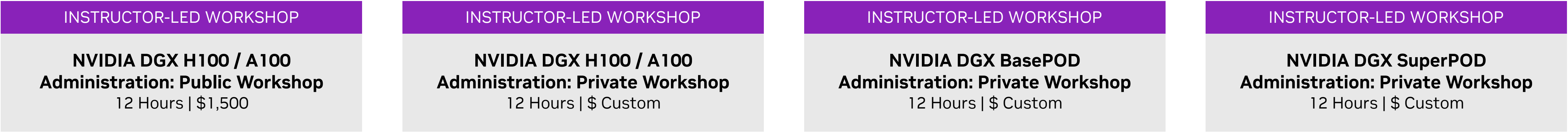
Overview



NVIDIA AI Enterprise



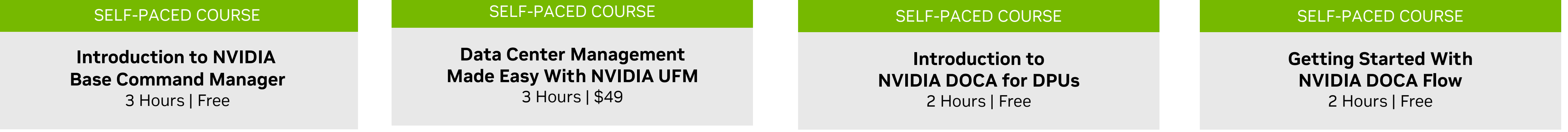
NVIDIA DGX



Introduction to Networking



Additional Recommended Training



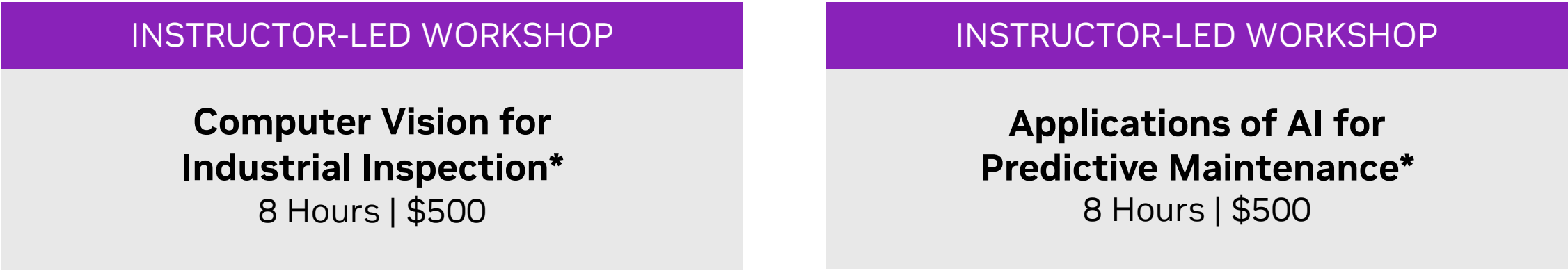
COURSE LEGEND

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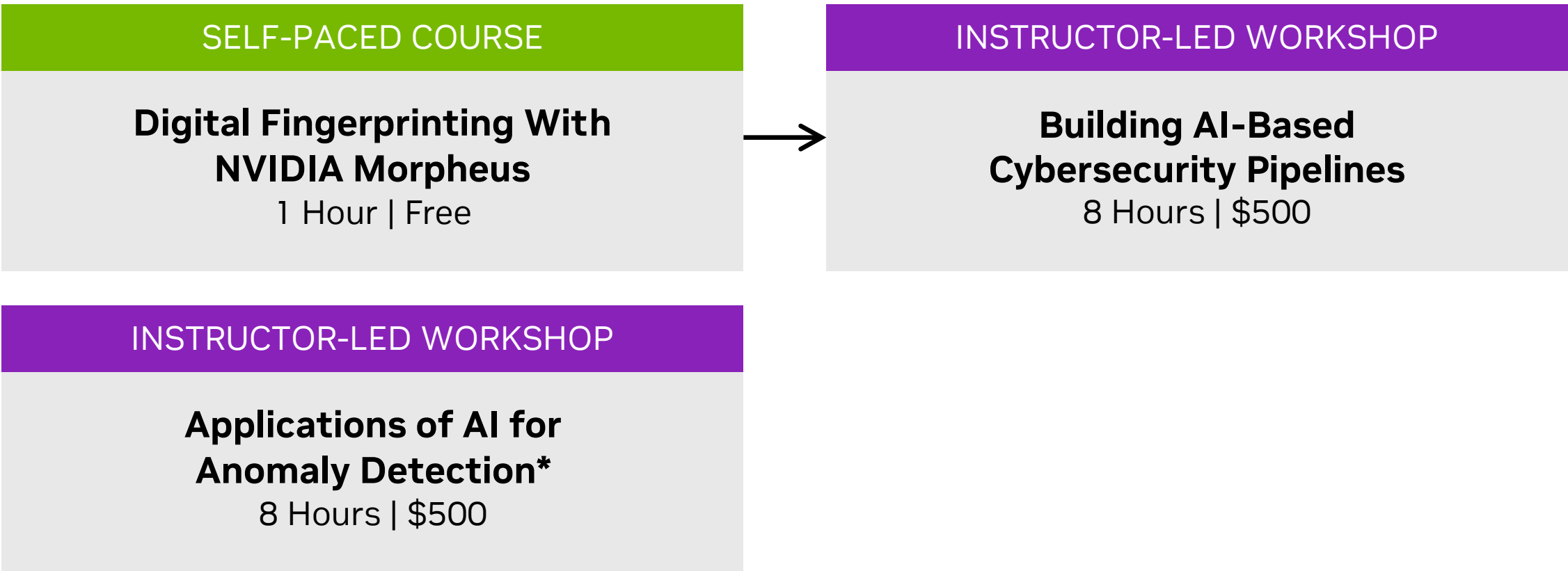
Industry-Related Training

For Developers

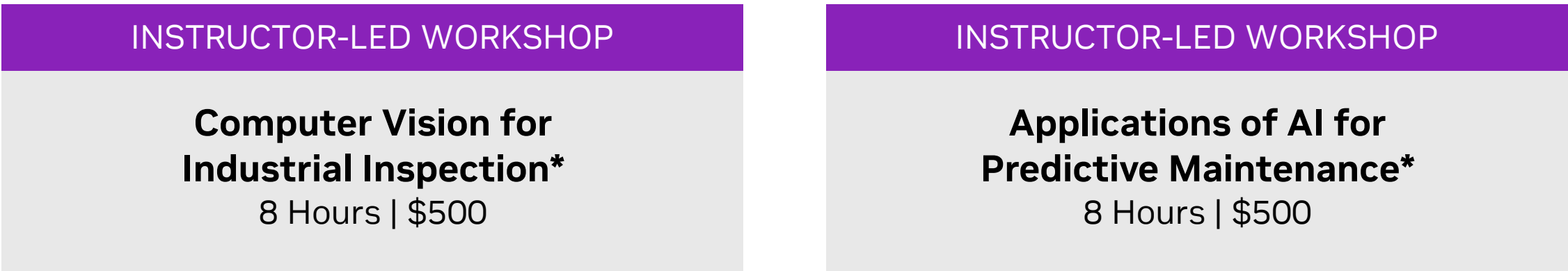
Energy



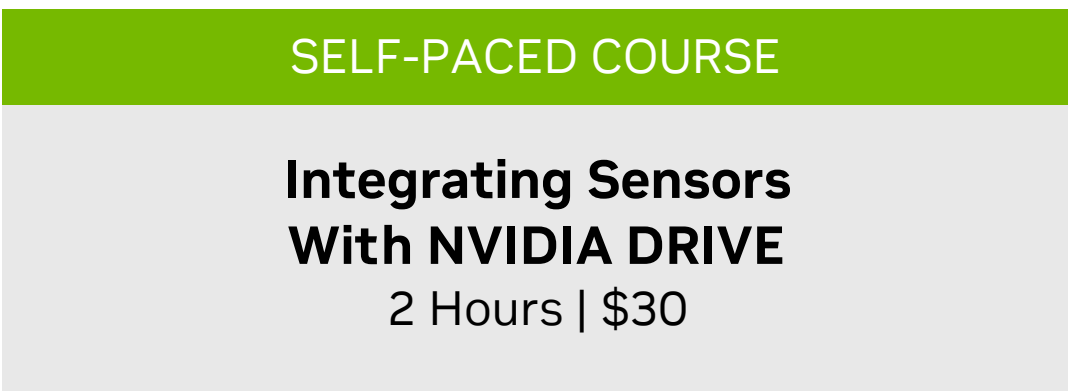
Financial Services



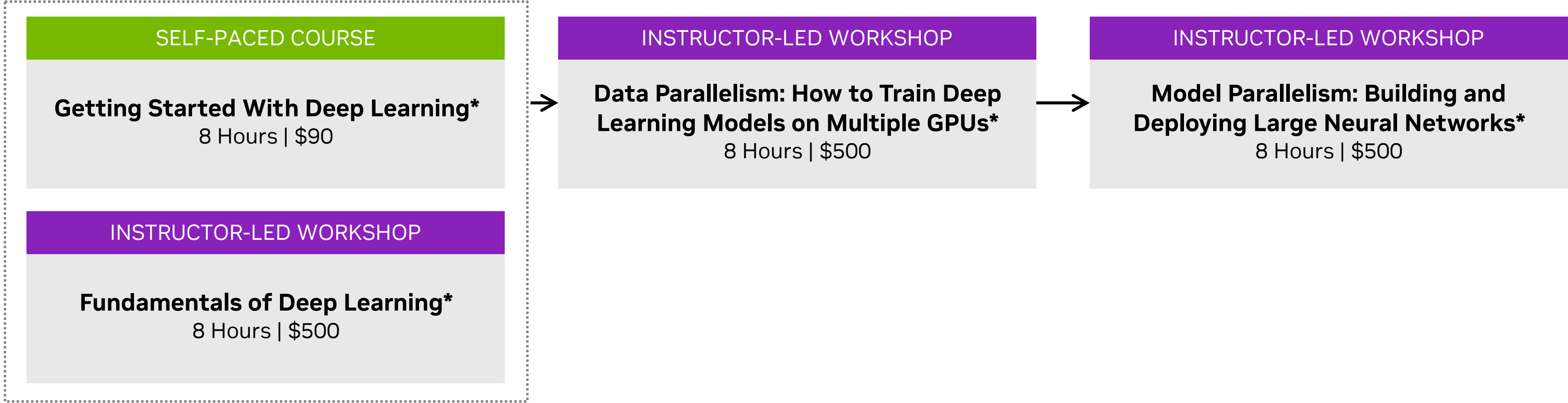
Manufacturing



Transportation



Healthcare and Life Sciences



COURSE LEGEND

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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

InfiniBand

SELF-PACED COURSE

InfiniBand Essentials
1.5 Hours | Free

SELF-PACED COURSE

InfiniBand Professional
6 Hours | \$250

INSTRUCTOR-LED WORKSHOP

InfiniBand Customized Course
6 Hours | \$ Custom

SELF-PACED COURSE

**Fundamentals of
RDMA Programming**
4 Hours | \$49

CERTIFICATION

InfiniBand Professional Certification**
2 Hours | \$220

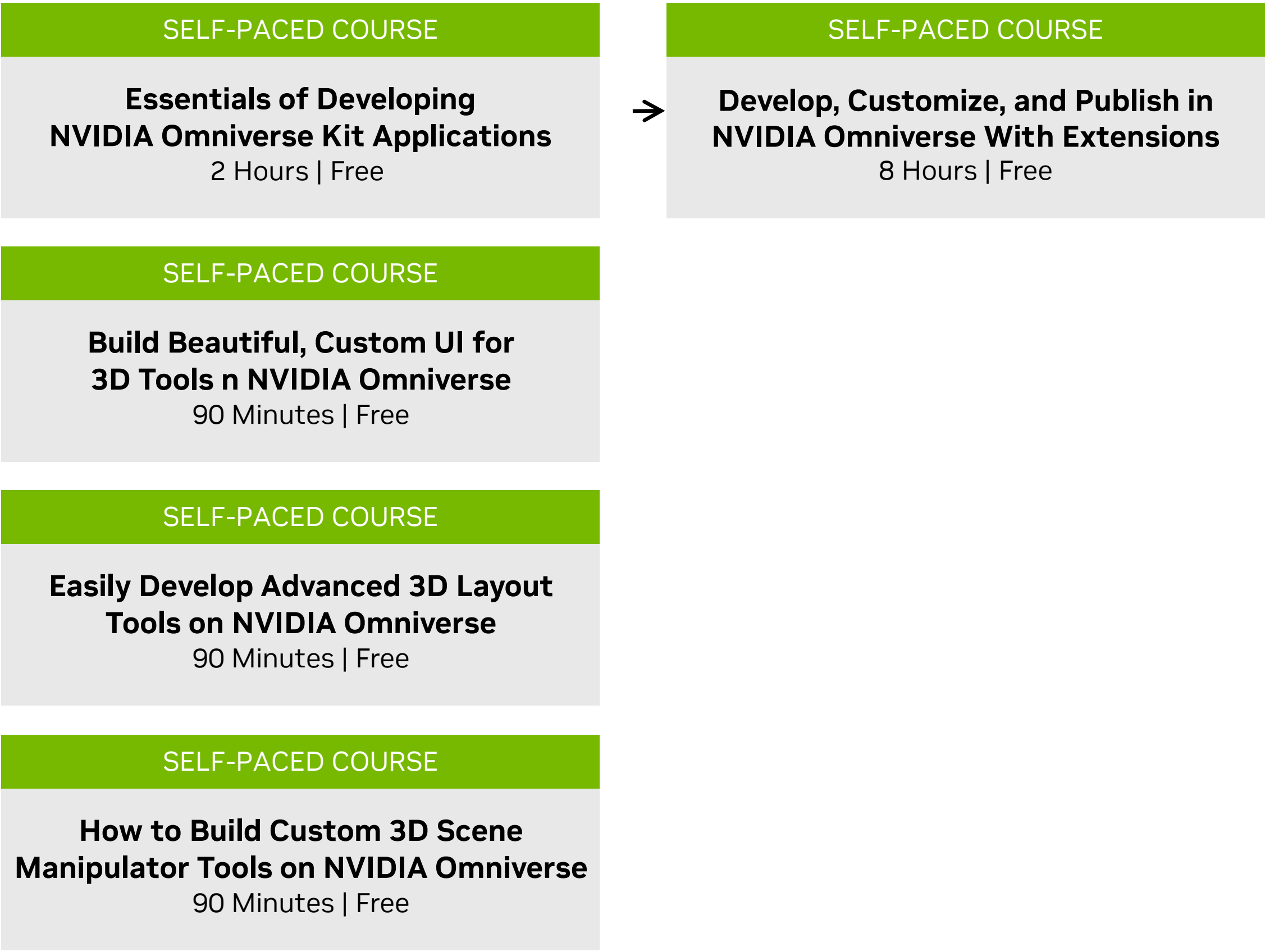
COURSE LEGEND

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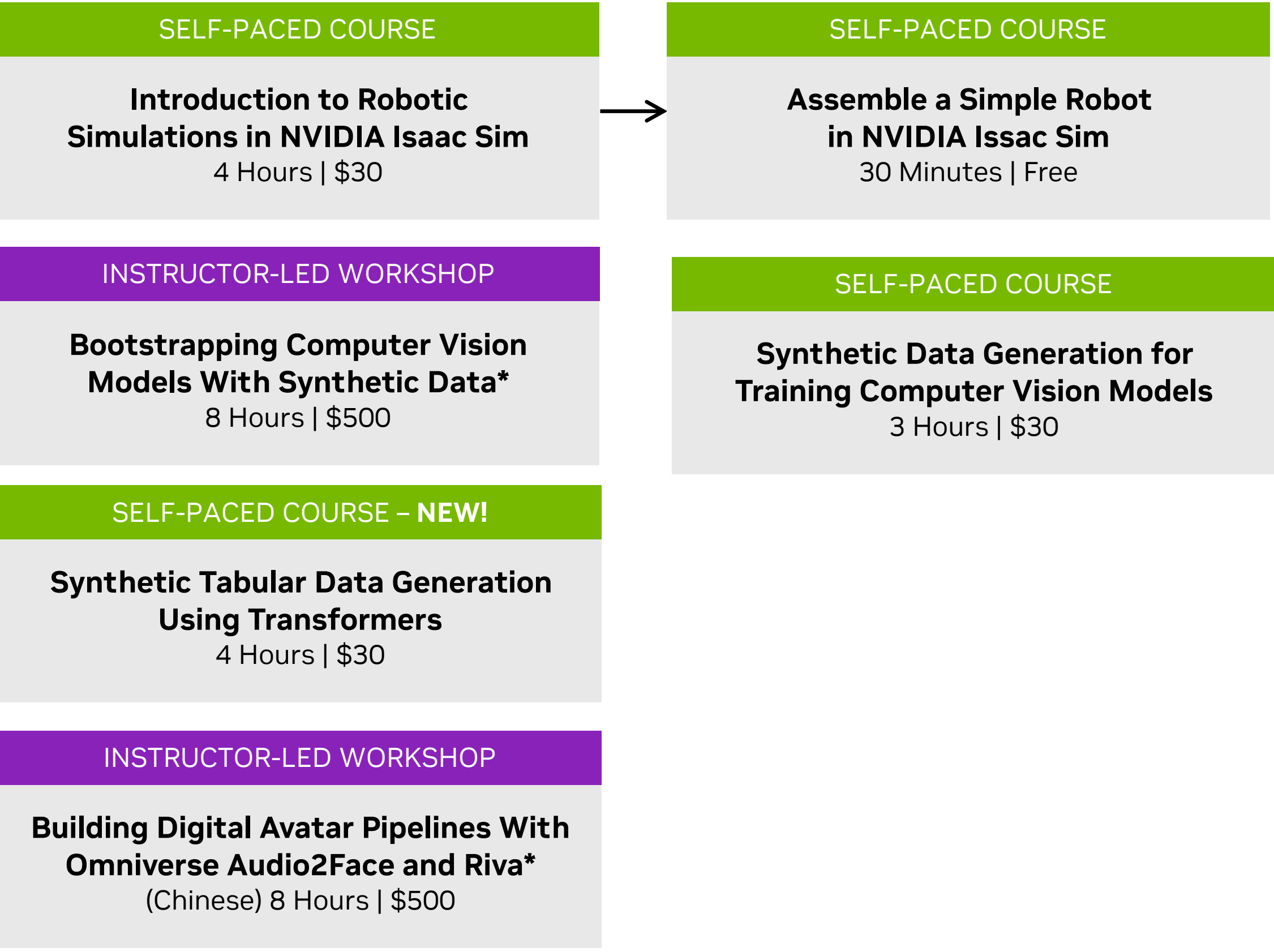
Simulation, Data Modeling, and Design Training

For Developers and Administrators

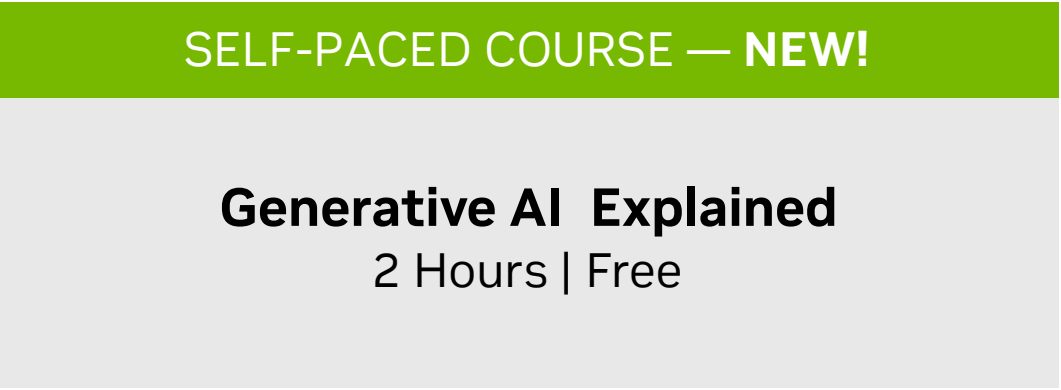
Omniverse Kit-based Development



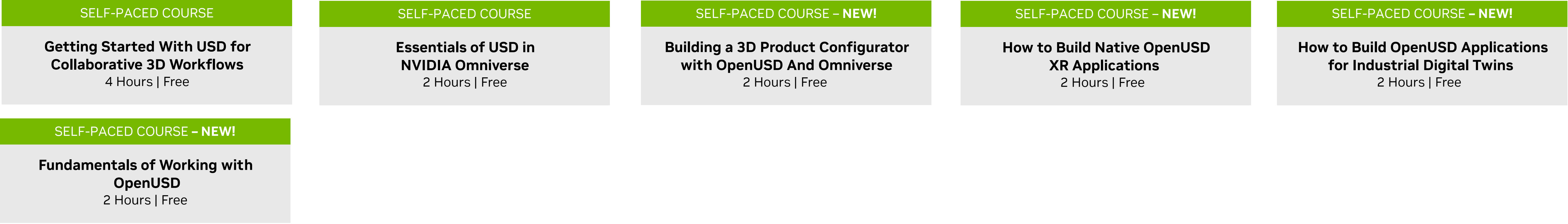
Simulation and Synthetic Data



Generative AI



OpenUSD Fundamentals and Development



COURSE LEGEND

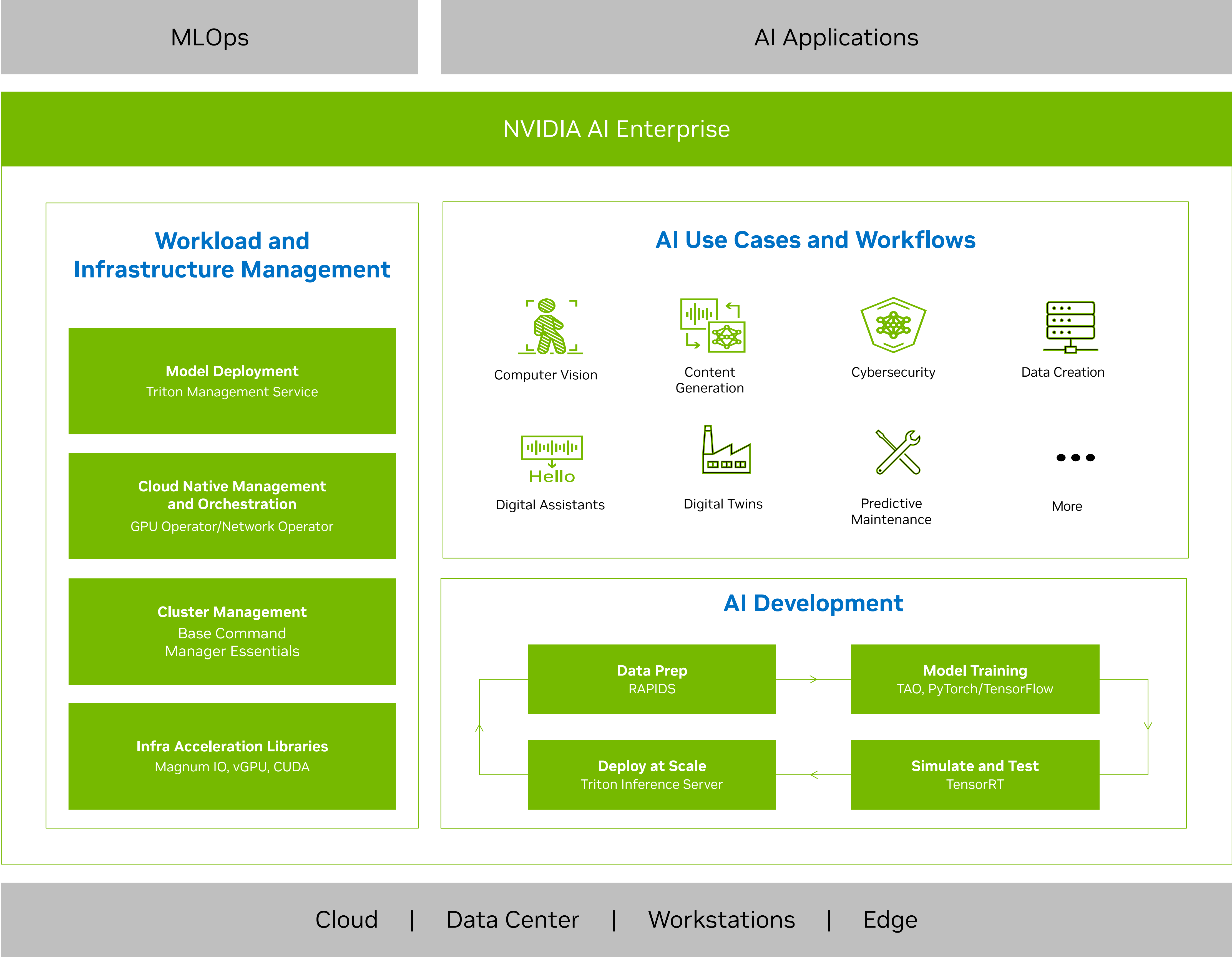
- * NVIDIA Certificate of Competency
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NVIDIA AI Enterprise Learning Paths

NVIDIA AI Enterprise Training and Certification

Training in Three Key Areas



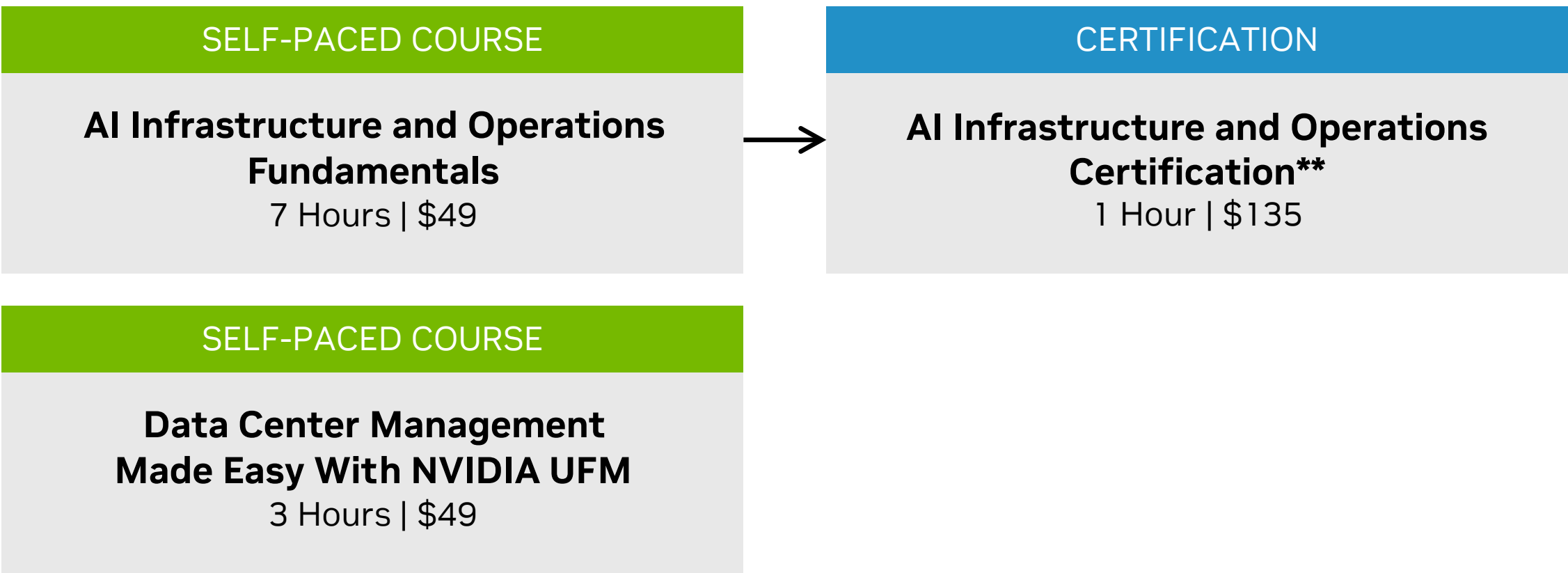
NVIDIA AI Enterprise

Workload and Infrastructure Management

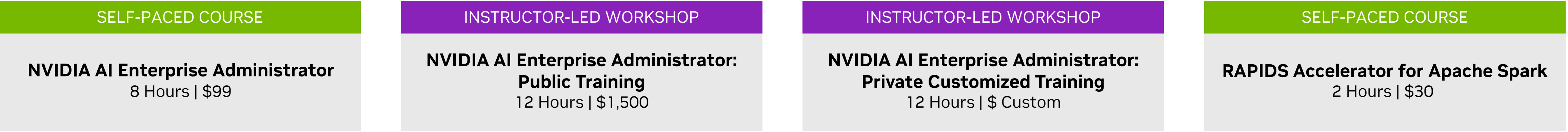
NVIDIA AI Enterprise Training

Workload and Infrastructure Management

Fundamentals

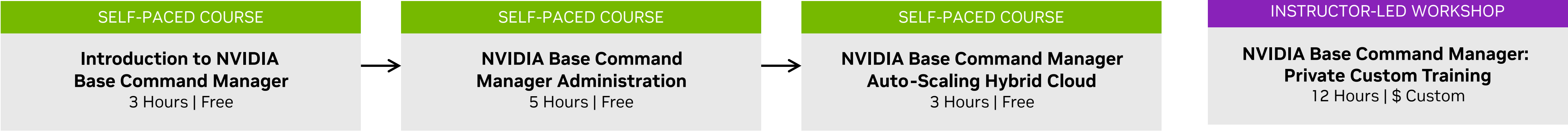


NVIDIA AI Enterprise



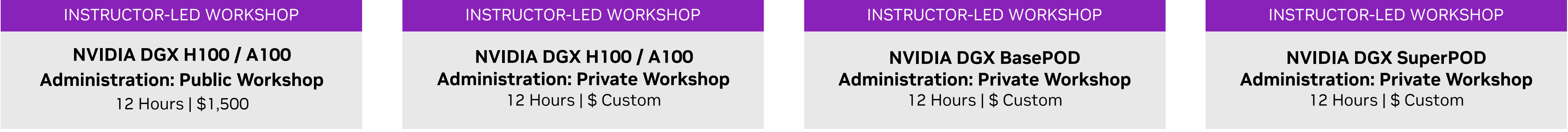
NVIDIA Base Command Manager

Choose the courses that best match your learning needs.



NVIDIA DGX

Choose the courses that best match your learning needs.



COURSE LEGEND

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NVIDIA AI Enterprise

AI Use Cases & Workflows

NVIDIA AI Enterprise Training

AI Use Cases and Workflows

Computer Vision and Video Analytics

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

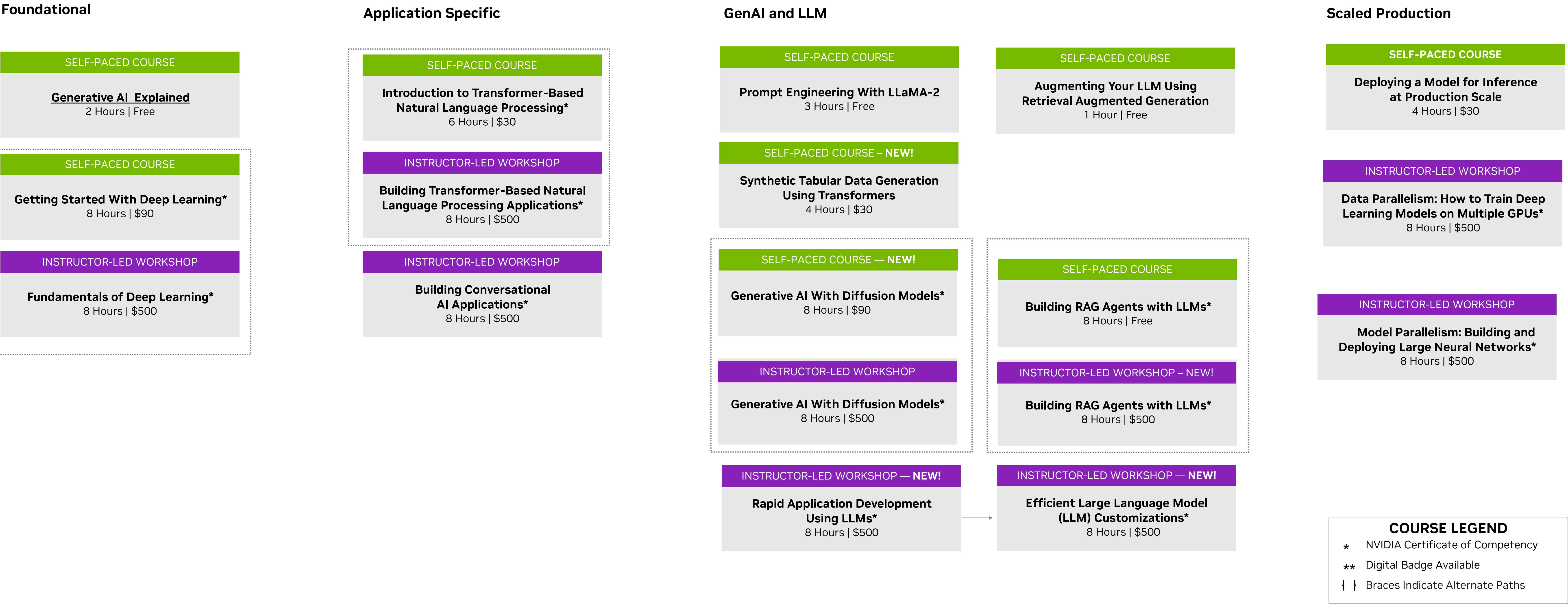
COURSE LEGEND

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NVIDIA AI Enterprise Training

AI Use Cases and Workflows

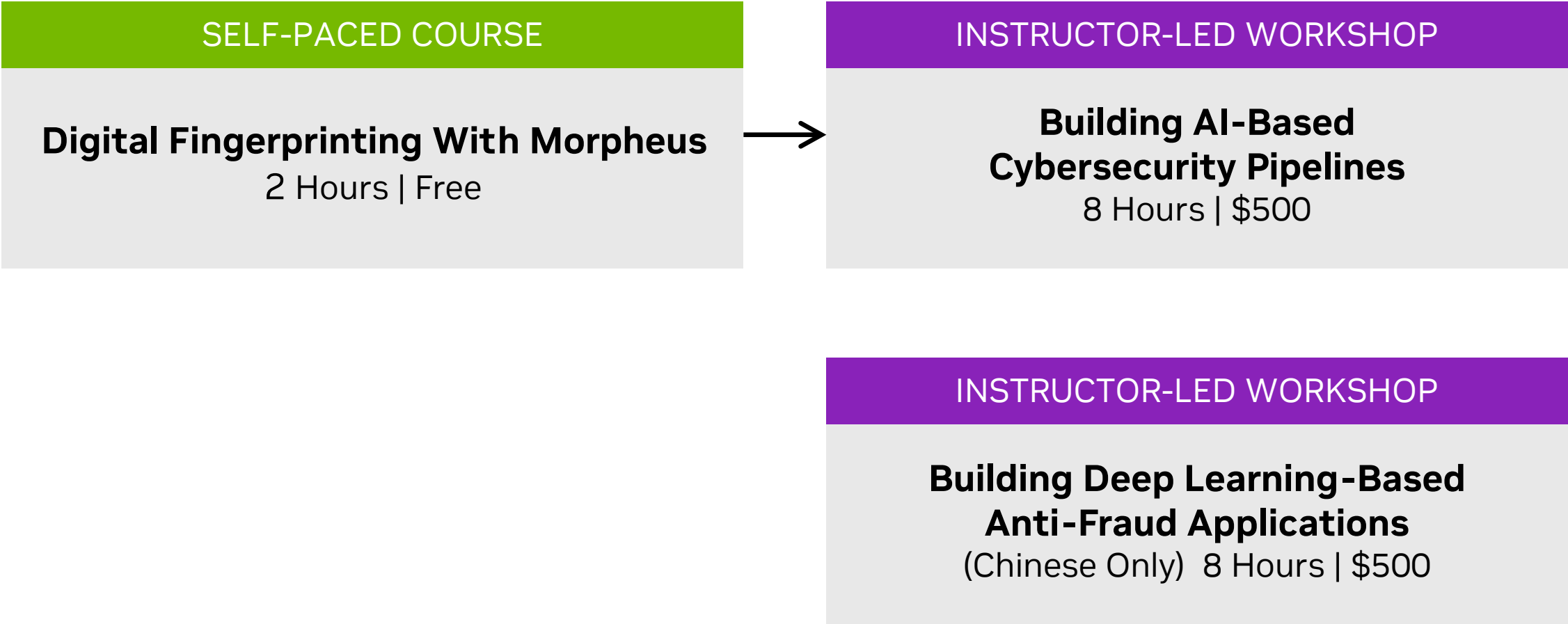
Content Generation



NVIDIA AI Enterprise Training

AI Use Cases and Workflows

Cybersecurity & Fraud Detection



COURSE LEGEND

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

NVIDIA AI Enterprise Training

AI 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 AI 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

COURSE LEGEND

*

 NVIDIA Certificate of Competency

**

 Digital Badge Available

{ }

 Braces Indicate Alternate Paths

NVIDIA AI Enterprise Training

AI Use Cases and Workflows

Digital Twins

SELF-PACED COURSE

Getting Started With USD for Collaborative 3D Workflows
4 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

SELF-PACED COURSE – NEW!

Fundamentals of Working with OpenUSD
2 Hours | 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

COURSE LEGEND

*

 NVIDIA Certificate of Competency

**

 Digital Badge Available

{ }

 Braces Indicate Alternate Paths

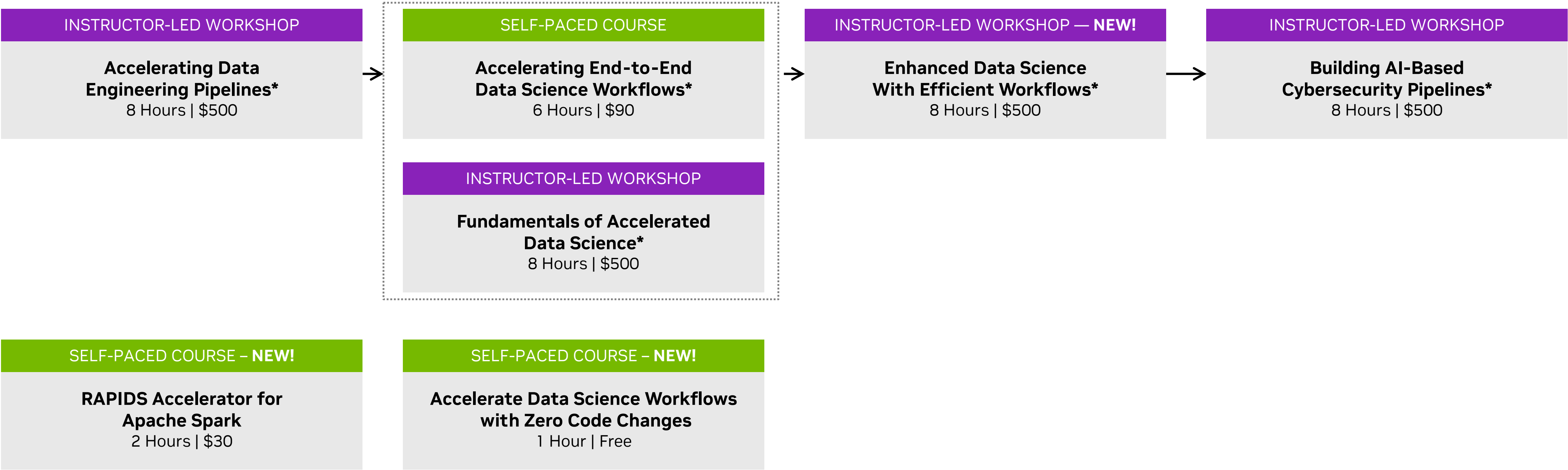
NVIDIA AI Enterprise

AI Development

NVIDIA AI Enterprise Training

AI Development

Data Prep (Rapids)



COURSE LEGEND

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NVIDIA AI Enterprise Training

AI Development

Model Training (TAO PyTorch/Tensor Flow)



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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 — NEW!	
Synthetic Data Generation for Training Computer Vision Models 3 Hours \$30	

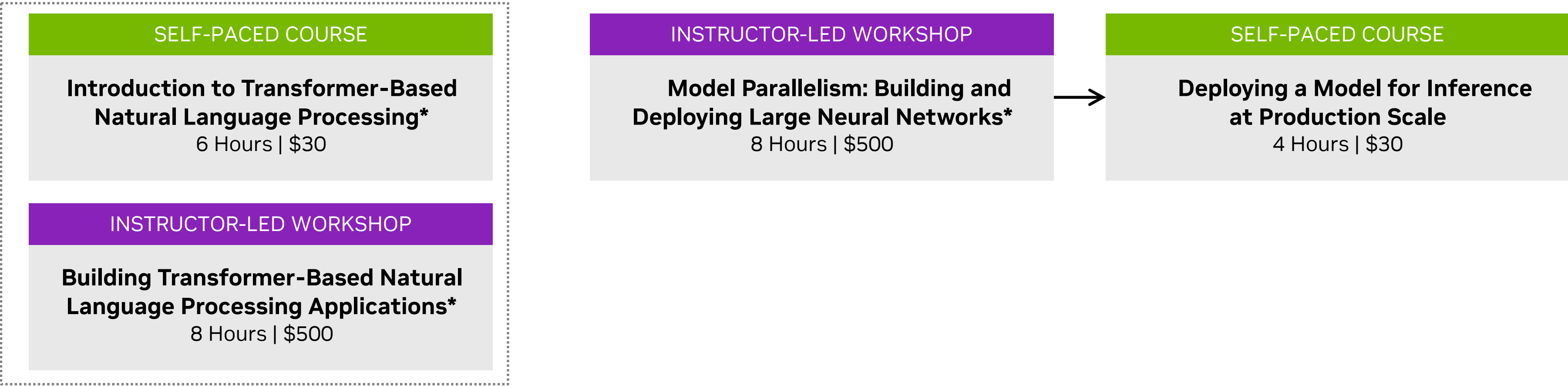
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NVIDIA AI Enterprise Training

AI Development

Deploy & Scale (Triton)



COURSE LEGEND

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