

OUR LEARNING EXCLUSIVE

- Custom exam prep software and materials
- Course-specific thinQtank® Learning publications to make the learning fun and engaging
- Hands-on Python labs on GPU-accelerated environments
- **We do not teach the test.** We always deliver valuable hands-on experience
- All reading material and study guides sent to you when you register
- Every course taught by AI engineers experienced with NVIDIA platforms
- Six months mentoring access to our engineers after the course

TRAINING CAMP FORMAT

thinQtank® Learning delivers this course as a **three-day instructor-led training camp**, Monday to Wednesday. About 55% lecture and 45% hands-on labs. Contact us for the schedule covering your dates.

PREREQUISITES

- No certification is required
- A basic understanding of generative AI and large language models
- Some Python experience is helpful

TARGET AUDIENCE

- Developers building LLM applications
- AI and entry-level ML engineers
- Data scientists
- QA engineers testing LLM systems

CERTIFICATION

This course prepares you for the NVIDIA-Certified Associate: Generative AI LLMs (NCA-GENL) exam.

Delivery	Online, remote proctored
Format	50–60 questions, one hour
Exam fee	\$125, set by NVIDIA
Renewal	Valid two years

COURSE OVERVIEW

thinQtank® Learning is offering a unique three-day training camp comprised of three days of instructor-led learning that gives students the knowledge and skills needed to explain the machine learning, deep learning and transformer concepts behind large language models, prepare and analyze data, select, fine-tune and evaluate LLMs, build retrieval-augmented LLM applications with NVIDIA tools, and apply trustworthy AI practices.

The camp follows the five domains of the NVIDIA-Certified Associate: Generative AI LLMs exam, with hands-on Python labs on GPU-accelerated environments throughout.

This course prepares you for **the NVIDIA-Certified Associate: Generative AI LLMs (NCA-GENL) exam**.

WHAT YOU WILL BE ABLE TO DO

- Explain core ML, deep learning and transformer concepts underlying LLMs
- Build and curate datasets and analyze data for LLM projects
- Select, train and fine-tune LLMs
- Design and run experiments, test and debug models
- Develop LLM-powered applications and understand deployment
- Apply trustworthy AI principles to LLM systems

EXCLUSIVE LEARNING PACKAGE

- NCA-GENL reading plan and review guide
- Generative AI LLMs practice exams
- Lab notebooks you keep after the course
- Course video recordings for review

DELIVERY METHODS

- Instructor-led training
- Immersive live-online training
- On-site and custom delivery

AI Certification Training Paths				
Foundations AWS AI Practitioner · Azure AI Fundamentals Use AI: business, IT and early-career	Build AI AWS ML Engineer · Google ML Engineer · AI-103 · NVIDIA LLMs Developers and ML engineers	Secure AI CompTIA SecAI+ · ISACA AAISM Security practitioners and leaders	Govern & Audit AI ISACA AAIA · IAPP AIGP Audit, privacy, legal and compliance	Lead AI PMI-CPMAI · EC-Council C AIPM Project, program and business leaders
Course Modules				
01 Machine Learning and Deep Learning Fundamentals	02 Neural Networks and Transformer Architecture			
03 Large Language Models: Tokens, Embeddings and Attention	04 Data Analysis and Visualization for AI			
05 Dataset Preparation and Preprocessing	06 Prompt Engineering			
07 Model Selection, Training and Fine-Tuning	08 Experimentation and Evaluation			
09 Retrieval-Augmented Generation and LLM Applications	10 Software Development with NVIDIA Tools and Frameworks			
11 Optimization and Deployment of LLMs	12 Trustworthy AI			
13 Exam Review				
Exam Domains				
Core machine learning and AI knowledge				30%
Software development				24%
Experimentation				22%
Data analysis				14%
Trustworthy AI				10%

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LEARNING

TERMS

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Education Services Datasheet

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