

thinqtanklearning.com

Artificial Intelligence · education services datasheet

OUR LEARNING EXCLUSIVE

- Custom exam prep software and materials
- Course-specific thinQtank® Learning publications to make the learning fun and engaging
- Hands-on labs in Amazon SageMaker AI, Amazon Bedrock and AWS developer tools
- **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 AWS-certified ML engineers
- Six months mentoring access to our engineers after the course

TRAINING CAMP FORMAT

thinQtank® Learning delivers this course as a **four-day instructor-led training camp**, Monday to Thursday. About 50% lecture and 50% hands-on labs. Contact us for the schedule covering your dates.

PREREQUISITES

- No certification is required
- About one year of experience with Amazon SageMaker AI and other AWS ML services is recommended
- Experience as a developer, DevOps engineer, data engineer or data scientist; Python and basic CI/CD knowledge

TARGET AUDIENCE

- ML engineers and MLOps/LLMOps engineers
- Data engineers and data scientists
- Backend developers putting models into production

CERTIFICATION

This course prepares you for the AWS Certified Machine Learning Engineer – Associate (MLA-C02) exam.

Delivery	Pearson VUE test center or online proctored
Format	MLA-C02 beta: 85 questions, 170 minutes; pass at 720
Exam fee	\$150 standard, set by AWS
Renewal	Valid three years

COURSE OVERVIEW

thinQtank® Learning is offering a unique four-day training camp comprised of four days of instructor-led learning that gives students the knowledge and skills needed to prepare data and features for ML and generative AI workloads, train, tune and evaluate models with Amazon SageMaker AI, customize foundation models with Amazon Bedrock, deploy and orchestrate ML workflows with CI/CD, and monitor, secure and optimize ML solutions in production.

The camp follows the four domains of the official AWS MLA-C02 exam guide, which keeps the MLA-C01 domain structure and adds foundation models, Amazon Bedrock, RAG, agents and responsible AI. Hands-on labs run in Amazon SageMaker AI and Amazon Bedrock throughout.

This course prepares you for **the AWS Certified Machine Learning Engineer – Associate (MLA-C02) exam**.

WHAT YOU WILL BE ABLE TO DO

- Ingest, transform and prepare data and features for ML and generative AI workloads
- Select, train, tune and evaluate ML models and foundation models with SageMaker AI and Amazon Bedrock
- Choose deployment infrastructure and endpoints for real-time and batch inference
- Automate and orchestrate ML workflows with CI/CD pipelines and infrastructure as code
- Monitor models and infrastructure for drift, performance and cost
- Secure ML and AI solutions with IAM, encryption and data-protection best practices

EXCLUSIVE LEARNING PACKAGE

- MLA-C02 reading plan and review guide
- ML Engineer Associate practice exams
- Lab guide 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 ML and Generative AI on AWS Overview	02 Data Ingestion and Storage for ML	
03 Data Transformation and Feature Engineering	04 Data Quality, Bias and Data Integrity	
05 Choosing a Modeling Approach (Algorithms vs Foundation Models)	06 Training and Hyperparameter Tuning with SageMaker AI	
07 Customizing Foundation Models with Amazon Bedrock	08 Model Evaluation and Analysis	
09 Deployment Infrastructure and Inference Endpoints	10 CI/CD and Orchestration of ML Workflows	
11 Monitoring Models, Data Drift and Infrastructure	12 Cost Optimization for ML Solutions	
13 Securing ML and AI Solutions	14 Exam Review and Practice	

EXAM DOMAINS		
Data preparation for ML and AI		28%
ML model and foundation model development		24%
Deployment and orchestration of ML and AI workflows		24%
Operating, monitoring and securing ML and AI solutions		24%



TERMS

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