

Generative AI Essentials on AWS (GAIE)

ID GAIE **Price** CHF 700.—(excl. VAT) **Duration** 1 day

Who should attend

This course is intended for those with limited prior knowledge of generative AI:

- Business analysts
- IT supports
- Marketing professionals
- Product or project managers
- Line-of-business or IT managers
- Sales professionals

This course is part of the following Certifications

AWS Certified AI Practitioner (CAIP)

Prerequisites

None

Course Objectives

In this course, you will learn to:

- Summarize generative AI concepts, methods, and strategies
- Discuss the appropriate use of generative AI and machine learning and their technologies
- Describe how to use generative AI responsibly and safely
- Recognize the types of generative AI solutions with specific use cases
- Explain implementation and project planning of generative AI to your organization

Course Content

Module 1: Introducing Generative AI

- Generative AI explained
- Foundation models
- AWS generative AI services
- Demo: Generative AI solution

Module 2: Exploring Generative AI Use Cases

- Identify suitable use cases
- Generative AI applications and use cases
- Explore generative AI use case scenarios
- Use case for class

Module 3: Essentials of Prompt Engineering

- Introduction to prompt engineering
- Prompt design best practices
- Advanced prompting strategies
- Model settings and parameters
- Hands-on Lab: Optimizing Slogan Generation with Amazon Bedrock

Module 4: Responsible AI Principles and Considerations

- Introduction to responsible AI
- Core dimensions of responsible AI
- Generative AI considerations
- Hands-on Lab: Implementing Responsible AI Principles with Amazon Bedrock Guardrails

Module 5: Security, Governance, and Compliance

- Security overview
- Adverse prompts
- Generative AI security services
- Governance
- Compliance

Module 6: Implementing Generative AI Projects

- Introduction – Generative AI application
- Define a use case
- Select a foundational model
- Improve performance
- Evaluate results
- Deploy the application
- Demo: Amazon Q Business

Module 7: Integrating Generative AI into the Development Lifecycle

- Introduction
- Hands-on Lab: Capstone – Creating a Project Plan with



Generative AI

Module 8: Course Wrap-up

- Next steps and additional resources
- Course summary

Training Centres worldwide



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