Generative AI Essentials on AWS

Category: AI, Data & Analytics | **Vendor:** Amazon Web Services

Duration: 8.00 hours (1 days) **6.5 CPD Hours** **Rating:** ⭐ 4.6 (5,878 reviews)

Course Information

Delivery Format: Instructor Led - Online

Course Overview

In this course, you will learn about the fundamental concepts, methods, and strategies for using generative AI. You will gain a solid understanding of use cases where generative AI can provide solutions and address business needs. Additionally, you will learn about practical insights into technologies related to generative AI and how you can use those technologies to solve real-world problems. By the end of the course, you will explore project planning and how to discuss implementation of generative AI in your organization.

About This Course

In this course, you will learn about the fundamental concepts, methods, and strategies for using generative AI. You will gain a solid understanding of use cases where generative AI can provide solutions and address business needs. Additionally, you will learn about practical insights into technologies related to generative AI and how you can use those technologies to solve real-world problems. By the end of the course, you will explore project planning and how to discuss implementation of generative AI in your organization.

Who Should Attend

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

Prerequisites & Entry Requirements

General Prerequisites:

None - No prior AI or generative AI knowledge required

Learning Outcomes

Upon successful completion of this course, participants will be able 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

Detailed Course Outline

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

, Introducing Generative AI, Exploring Generative AI Use Cases, Essentials of Prompt Engineering, Responsible AI Principles and Considerations, Security, and Compliance, Implementing Generative AI Projects, Integrating Generative AI into the Development Lifecycle, Course Wrap-up

Skills You Will Learn:

- Explain responsible AI foundations
- Describe multimodal AI capabilities
- Implement generative AI solutions using Amazon Bedrock and Amazon Nova 2
- Explain how retrieval-augmented generation (RAG) enhances AI responses by connecting agents to organizational knowledge sources
- Describe Amazon Bedrock AgentCore capabilities
- Apply responsible AI practices using Amazon Bedrock Guardrails
- Explain security and governance considerations
- Describe key components of generative AI project planning

Upcoming Schedule

Available training dates for Generative AI Essentials on AWS:

Start Date	End Date	Location	Delivery	Price
25 Nov 2026	25 Nov 2026	Online	Virtual	€695.00

Frequently Asked Questions

Q: What delivery options are available for Generative AI Essentials on AWS?

We offer multiple delivery formats:

- Live Instructor-Led Classroom Online (Virtual/Live Online)
- Traditional Instructor-Led Classroom Training (ILT)
- On-site delivery at your offices anywhere in United Kingdom
- Private dedicated courses customized for your team

Q: How many CPD hours does this course provide?

The 1-day Generative AI Essentials on AWS course provides up to 6.5 CPD hours of structured learning. CPD certificates can be provided upon request.

Q: What is the duration of the Generative AI Essentials on AWS training?

The training takes place over 1 day(s), with each day lasting approximately 8.00 hours including breaks for lunch and refreshments.

Q: Do you provide corporate training for Generative AI Essentials on AWS?

Yes, we provide corporate training, dedicated training, and closed classes for Generative AI Essentials on AWS. Training can take place anywhere in United Kingdom including London, Manchester, Birmingham, Edinburgh, or live online allowing teams from across United Kingdom or internationally to attend.

Q: What related terms do people search for?

Popular related searches include: Generative AI Essentials on AWS, AWS Essentials Training, GAIE, Amazon Web Services, vILT

Q: Why choose Nexus Human for Generative AI Essentials on AWS?

Nexus Human is recognized as one of the leading training providers. Our trainers have won multiple awards including:

- Small Firms Best Trainer Award
- National Training Partner of the Year (Ireland) - Multiple Years
- Global Top 30 Instructor Awards (2012, 2019, 2021)
- Tech Excellence Award Nominations
- Learning Performance Institute (LPI) External Training Provider Sponsor 2024

Q: Are there any discount codes available?

Yes! Use discount code **PENPAL5** when booking your Generative AI Essentials on AWS training. Please note that only one discount code can be used per booking and cannot be combined with other special offers.

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