



GOOGLE CLOUD TRAINING

# Google Generative Ai Developers Language Course

*Develop powerful applications using Google Generative AI. Master prompt engineering and model deployment for innovative solutions.*

DURATION

**2 hours**

LEVEL

**Intermediate**

FORMAT

**Instructor-Led**

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- Globally Recognized Certification
  - Expert-Led Hands-On Training
  - Flexible Scheduling

Computer Pride | 1st Floor, ICEA Building, Kenyatta Avenue, Nairobi | [www.computer-pride.co.ke](http://www.computer-pride.co.ke)

## COURSE OVERVIEW

Unlock the power of conversational AI and learn to develop innovative applications with the Google Generative AI Developers Language Course. This intermediate-level, hands-on program from Computer Pride, in collaboration with Google Cloud, is meticulously designed for developers eager to integrate advanced generative AI capabilities into their projects. You will dive deep into understanding foundational language models, mastering prompt engineering techniques, and leveraging Google's powerful Generative AI APIs to build intelligent, dynamic applications that can generate text, summarize information, answer questions, and much more.

This 2-hour intensive course focuses on practical application, equipping you with the skills to rapidly prototype and deploy AI-driven solutions. You'll gain proficiency in working with Google's state-of-the-art generative models and their SDKs, enabling you to create seamless user experiences and automate complex tasks. By completing this course, you'll not only enhance your development toolkit but also position yourself at the forefront of the burgeoning AI landscape, ready to tackle real-world challenges and innovate across various industries.

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|----------|--------------|
| Duration | 2 hours      |
| Level    | Intermediate |
| Vendor   | Google Cloud |

## COURSE CURRICULUM

### 01 Module 1: Introduction to Generative AI on Google Cloud

- Overview of Generative AI and its applications
- Key concepts of Large Language Models (LLMs)
- Introduction to Google Cloud's Generative AI ecosystem
- Setting up your Google Cloud environment for AI development

### 02 Module 2: Understanding and Interacting with LLMs

- Architectural basics of large language models
- Capabilities and limitations of generative models
- Exploring various Google Generative AI models (e.g., PaLM, Gemini)
- API authentication and making initial requests

### 03 Module 3: Fundamentals of Prompt Engineering for Developers

- Crafting effective prompts for desired outputs
- Techniques for instruction, few-shot prompting, and role-playing
- Understanding prompt parameters (temperature, top-k, top-p)
- Strategies for mitigating bias and ensuring responsible AI outputs

### 04 Module 4: Building Applications with Google Generative AI APIs

- Integrating Generative AI APIs into applications (Python SDK examples)
- Developing text generation, summarization, and question-answering features
- Implementing conversational AI flows
- Error handling and API best practices

### 05 Module 5: Responsible AI and Future Steps

- Ethical considerations in generative AI development
- Data privacy and security with LLMs

- Resources for continuous learning and advanced Google Cloud AI certifications
- Project showcase and next steps for practical application

## CAREER PATHWAYS

Graduates of this program are prepared for the following roles:

- > **AI Application Developer (specializing in Generative AI)**
- > **Prompt Engineer and AI Interaction Designer**
- > **Machine Learning Engineer (focusing on LLM integration and deployment)**

## FREQUENTLY ASKED QUESTIONS

### **Q: What specific coding experience or prerequisites are necessary to get the most out of this 2-hour Google Generative AI Developers Language Course?**

This intermediate course assumes you have foundational programming experience, preferably with Python, as many practical examples and API interactions will be demonstrated using Python SDKs. Familiarity with basic cloud computing concepts, while not strictly required, will also be beneficial for understanding the Google Cloud environment. The focus is on rapid application development, so a basic understanding of API consumption is also recommended.

### **Q: Beyond basic text generation, what advanced prompt engineering techniques will I specifically learn to apply for complex use cases in this course?**

While the course provides a strong foundation, you'll specifically delve into techniques for achieving precise control over model output, such as multi-turn conversational prompting, optimizing for specific content formats (e.g., JSON), and refining prompts for complex summarization or data extraction tasks. You'll also learn iterative prompt refinement strategies to enhance accuracy and relevance for diverse developer use cases.

### **Q: How will completing this specific Google Generative AI Developers Language Course directly impact my ability to build portfolio projects or contribute to real-world AI development immediately after?**

Upon completion, you will have practical, hands-on experience integrating Google's Generative AI APIs into functional code, enabling you to quickly prototype and build AI-powered features for your portfolio. You'll be equipped to develop applications that perform intelligent text generation, summarization, and conversational AI, making you immediately valuable for teams looking to leverage Google's generative capabilities in their product development.

## ABOUT COMPUTER PRIDE



***East Africa's Premier IT Training Center***

With over 15 years of excellence, Computer Pride delivers globally recognized certification programs from leading technology vendors. Located on Kenyatta Avenue in Nairobi's CBD, our state-of-the-art facilities and expert instructors

have empowered thousands of professionals across East Africa.

**15+**

Years of Excellence

**10,000+**

Professionals Trained

**50+**

Vendor Certifications

## READY TO ENROL?

Take the next step in your technology career.

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