

[Collapse All](#)[View Progress](#)

## ▼ Course Welcome and Overview



**Pre-Course Survey**



**Course Support**



**General Discussions**

## ▼ Course Resources



**Trends in Cloud Computing**



**Content Resources**

## ▼ Module 1: Welcome to AWS Academy Generative AI Foundations



**Module 1 Student Guide**

## ▼ Module 2: Introducing AI



**Module 2 Student Guide**



## Module 2 Introduction



## AI Overview



## Machine Learning (ML) Concepts



## ML, Deep Learning, and Generative AI



## AWS AI Services



## Demo: Using AWS AI Services



## Module 2 Wrap-Up



## Module 2 Knowledge Check

50 pts

### ▼ Module 3: Introducing Generative AI



## Module 3 Student Guide



## Module 3 Introduction



## Foundation Models



## How Foundation Models Work



## AWS Generative AI Services

## Demo: Using Amazon Q Developer



## Generative AI Use Cases



## PartyRock, an Amazon Bedrock Playground



### [Activity: Introducing PartyRock](#)

<https://partyrock.aws/u/pattyrock/1KGzkrnMw/GAIF-Activities>



## Module 3 Wrap-Up



## Module 3 Knowledge Check

50 pts

### ▼ Module 4: Using Prompts and Prompt Engineering



## Module 4 Student Guide



## Module 4 Introduction



## The Value of Prompt Engineering



## Structuring a Large Language Model Prompt - Elements



### [Activity: Structuring an Effective Prompt](#)

<https://partyrock.aws/u/pattyrock/BS9GJ3wyD/GAIF-Activities-Activity-1>



## Structuring a Large Language Model Prompt - Organization



## Prompting Techniques

 [Activity: Applying Prompting Techniques](#) <https://partyrock.aws/u/pattyrock/OBAizTKiq/GAIF-Activities-Activity-2>**The Risk of Adverse Prompts****Amazon Bedrock Features for Prompt Engineering****Module 4 Wrap-Up****Module 4 Knowledge Check**

50 pts

**▼ Module 5: Working with Foundation Models (FMs)****Module 5 Student Guide****Module 5 Introduction****Considerations for Choosing and Adapting a Foundation Model****Choosing the Right Foundation Model for a Use Case****Evaluation and Monitoring****Configuring Inference Parameters** [Activity: Adjusting Inference Parameters](#) <https://partyrock.aws/u/pattyrock/az7qoZR5n/GAIF-Activities-Activity-3>



## Retrieval Augmented Generation



## Foundation Model Customization Techniques



## Working with Foundation Models on AWS



## Demo: Working with Models in Amazon Bedrock



## Module 5 Wrap-Up



## Module 5 Knowledge Check

50 pts

### ▼ Module 6: Practicing Generative AI Responsibly



## Module 6 Student Guide



## Module 6 Introduction



## Defining Responsible AI



## Generative AI Considerations



## Implementing Safeguards



## How AWS Generative AI Services Support Responsible AI



## Demo: Using Amazon Bedrock Guardrails

## Module 6 Wrap-Up



## Module 6 Knowledge Check

50 pts

### ▼ Module 7: Considering Security, Governance, and Compliance for Generative AI



#### Module 7 Student Guide



#### Module 7 Introduction



#### Defining Security, Governance, and Compliance for Generative AI



#### Security of AI Systems on AWS



#### Governing AI Systems on AWS



#### Compliance for AI Systems on AWS



#### Demo: Using AWS Audit Manager Frameworks



#### Module 7 Wrap-Up



## Module 7 Knowledge Check

50 pts

### ▼ Module 8: Implementing Generative AI Applications



#### Module 8 Student Guide



## Module 8 Introduction



## Generative AI Application Lifecycle



## Using AI Agents in Amazon Bedrock



## Matching the AWS Service to the Use Case



## Module 8 Wrap-Up



## Module 8 Knowledge Check

50 pts

### ▼ Module 9: Bridging to Certification



## Module 9 Student Guide

### ▼ End of Course Assessment

Complete All Items



## Course Assessment

100 pts    Score at least 70.0

### ▼ Feedback



## End of Course Feedback Survey

▼ **Badges and Completion Certificates**

Prerequisites: End of Course Assessment



**Claim your badge [Badges EN]**

▼ **AWS T&C Resources**



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