



Enterprise Computing Solutions - Education Services

## TRAINING OFFERING

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**You can reach us at:**

9201 Dry Creek Rd. Centennial, CO 80112, United States

Email: [arroweducationrequests@arrow.com](mailto:arroweducationrequests@arrow.com)  
Phone: N/A



# AI+ Prompt Engineer Level 2™

**CODE:**

EDU-AIC-AC-1302

**PRICE:**

\$495.00

**LENGTH:**

## Description

Mastering Advanced Techniques for Effective AI Prompting Prompt Mastery: Learn to design, refine, and optimise prompts across AI applications Hands-On Learning: Gain practical experience with advanced tools for prompt integration Real-World Focus: Solve real-world challenges using AI-driven prompt solutions Advanced Curriculum: Emphasises experimentation, project execution, and innovation Leadership-Oriented: Ideal for professionals bridging the gap between AI innovation and application.

## Objectives

AI Developers: Enhance your prompt engineering skills and optimize AI-driven applications for diverse use cases. Machine Learning Enthusiasts: Learn how to fine-tune models and improve AI performance with advanced prompting techniques. Tech Professionals: Integrate cutting-edge prompt engineering strategies into your AI solutions for greater impact. Students & New Graduates: Gain expertise in prompt engineering and boost your career prospects in the fast-growing AI field. AI Researchers & Practitioners: Deepen your knowledge of AI models and develop advanced prompt engineering techniques for real-world applications.

## Audience

AI Developers: Enhance your prompt engineering skills and optimize AI-driven applications for diverse use cases. Machine Learning Enthusiasts: Learn how to fine-tune models and improve AI performance with advanced prompting techniques. Tech Professionals: Integrate cutting-edge prompt engineering strategies into your AI solutions for greater impact. Students & New Graduates: Gain expertise in prompt engineering and boost your career prospects in the fast-growing AI field. AI Researchers & Practitioners: Deepen your knowledge of AI models and develop advanced prompt engineering techniques for real-world applications.

## Prerequisites

Familiarity with at least one programming language (Python recommended). Basic knowledge of RESTful services and API interactions. Basic understanding of AI concepts and language models.

## Program

Module 1: Introduction to Prompt Engineering for Developers 1.1 Overview of Prompt Engineering 1.2 Basics of API Interaction 1.3 Understanding Prompt Structures 1.4 Case Studies and Best Practices 1.5 Hands-on Exercise Module 2: Advanced Prompt Design and Engineering 2.1 Designing Advanced Prompt Techniques 2.2 Designing Multi-Turn Interactions 2.3 Contextual and Conditional Prompting 2.4 Crafting Domain-Specific Prompts 2.5 Contextual and Stateful Prompt Engineering 2.6 Meta-Prompting and Autonomous Refinement 2.7 Hands-on Exercise Module 3: Experimentation and Optimization 3.1 Automated Prompt Optimization Tools 3.2 A/B Testing and Evaluation 3.3 Reinforcement Learning for Prompt Engineering Module 4: Designing Advanced Strategies for Prompt Engineering 4.1 Contextual and Role-Based Prompting 4.2 Adaptive and Multimodal Prompting Module 5: Integration with Development Tools 5.1 Integrating with Popular Development Tools for Prompt Engineering 5.2 Code Repositories and Templates for Prompt Engineering 5.3 Developer Communities and Forums for Prompt Engineering 5.4 Version Control in Prompt Engineering Projects Module 6: Applications of Prompt Engineering in Various Domains 6.1 Natural Language Processing (NLP) Applications using Prompt Engineering 6.2 Business Applications using Prompt Engineering 6.3 Creative Applications using Prompt Engineering Module 7: Project-Based Learning: Real-World AI Projects Using Prompt Engineering 7.1 Project 1: AI-Driven Customer Support 7.2 Project 2: Personalized Content Generation 7.3 Project 3: AI in Data Analysis Optional Module: AI Agents for Prompt Engineering 1. What Are AI Agents 2. Applications and Trends of AI Agents for Prompt Engineers 3. Importance of AI Agents 4. Types of AI Agents

## **Session Dates**

On request. Please [Contact Us](#)

## **Additional Information**

This training is also available as onsite training. Please contact us to find out more.