CORSEN AI Academy

Responses API: OpenAI Fundamentals

Course syllabus

Version 2026-11

Overview

Master the OpenAI API: Responses API, Python SDK, streaming, structured output, function calling, and production deployment.

Learning objectives

- Migrate a Chat Completions integration to the Responses API and justify the model choice
- Implement streaming, structured JSON output, and function calling with the Python SDK
- Manage conversation state, HTTP errors, rate limits, and exponential backoff
- Instrument an application: logs, observability, cost tracking, and token consumption
- Secure a service: moderation, protection against prompt injection, GDPR compliance, and audit trail

Audience and prerequisites

Developers, engineers, and integrators looking to leverage ChatGPT via API in their applications.

Ability to read Python and JSON, command line basics. An OpenAI platform API key to try the examples.

Duration and format

Estimated duration : 2 h. 100% online self-paced course, accessible 24/7 from a browser. Progress saved, resume anytime. Estimated duration: 2 h.

Content

- Getting Started with the API (5 lessons)
- Fundamental Concepts (6 lessons)
- Production (6 lessons)
- Security and Compliance (5 lessons)

Assessment

Practice exercises provided throughout the lessons. Each lesson ends with its Key takeaways, supporting self-assessment. A final quiz of 5 corrected questions, at the end of the last lesson, validates acquired skills.

Accessibility

Self-paced course accessible to people with disabilities: text content compatible with screen readers, keyboard navigation, and compliant contrasts. For any adaptation needs, email hello@corsen.ai.

Price and recognition

Free

Certificate of completion issued by Corsen AI.

Access time

Immediate after account creation and email confirmation.

Corsen AI — Paris, France — SIRET 10297040700015
academy@corsen.ai — https://academy.corsen.ai