



Codex 101 Foundations

- 1 Days
- Lecture and Hands-on Labs

Course Overview

This course provides a hands-on introduction to ChatGPT Codex for technical professionals who need a practical understanding of AI-assisted development. You will use Codex to open a local project, manage project context, use slash commands, reference files, create project guidance, and complete a small code change from planning through verification. The course begins with the basic Codex project workflow and then moves into guided interaction patterns, including chats, file mentions, planning, code review, prompting, and `AGENTS.md` guidance. You will practice using Codex to create project files, generate a small PowerShell application, review the generated code, run it locally, and refine it through follow-up prompts. By the end of the course, you will understand how Codex supports the full AI-native software development lifecycle. You will have practiced a complete workflow that includes requirements discovery, planning, implementation, review, testing, refinement, and documentation handoff. “

Who Should Attend

- • Developers, DevOps engineers, and systems administrators new to Codex
- • Architects and technical leaders evaluating AI-assisted development
- • Operations and support teams responsible for code troubleshooting
- • Product and program stakeholders involved in AI-assisted projects

What You'll Learn

- Open and configure ChatGPT Codex for a local project workflow
- Use core Codex controls, including chats, slash commands, and project context
- Reference project files to guide Codex with relevant task information
- Create and apply an `AGENTS.md` file for project-specific guidance
- Prompt Codex to plan, implement, review, and refine a small code change
- Review generated files and inspect Codex changes before accepting them
- Run and verify Codex-generated code from a local terminal
- Map a Codex-assisted coding task to the 7-phase AI-native SDLC workflow

Outline

ChatGPT Codex: Session 101 - Fundamentals

- Lecture: ChatGPT Codex
- Lecture + Lab: Getting Started with ChatGPT Codex
- Lecture: 7-Phase Software Development Workflow
- Lecture + Lab: Codex Slash Commands and File Mentions
- Lecture: Managing Context
- Lecture + Lab: Generate Code with ChatGPT Codex

Prerequisites

- Codex already installed
- Codex is licensed
- Students are not firewalled from GitHub and therefore able to download exercises