



AMERICAN
UNIVERSITY OF BEIRUT
MAROUN SEMAAN FACULTY OF
ENGINEERING & ARCHITECTURE

CODE SMARTER WITH AI

AI-ASSISTED CODING ONLINE PROFESSIONAL CERTIFICATE



ABOUT THE PROGRAM

Are you looking to strengthen coding skills by effectively integrating AI into your workflow?

The **AI-Assisted Coding Online Professional Certificate** is designed to help you use AI coding assistants responsibly and efficiently across the software development lifecycle.

Building on **AUB's** academic excellence, this **5-week hands-on program** addresses a growing skills gap in AI-assisted development,

where many coders rely on AI tools without structured validation, testing, or oversight practices.

Through practical application, real-world project development, and **podcasts** with experts in the field, learners will **gain industry-relevant skills in AI-assisted coding, testing, debugging, DevOps, security, and governance** while maintaining human accountability and engineering rigor throughout the development process.

WHO CAN APPLY



Software developers
seeking to enhance their
productivity while coding



Recent graduates and students
in Computer Science, Software
Engineering, and Communications
Engineering looking to update their
coding skills



Entrepreneurs or startup founders
who want to turn ideas into working
software using AI-assisted
development tools

Applicants should have prior programming experience and basic familiarity with Git, command-line tools, and running local applications.

UNIQUE BENEFITS



Earn a highly respected certificate through AUB's academic excellence.



Build a real-world capstone project using AI across the software lifecycle.



Gain hands-on AI-assisted coding experience with modern development tools.



Learn through a flexible 5-week format designed for busy schedules.

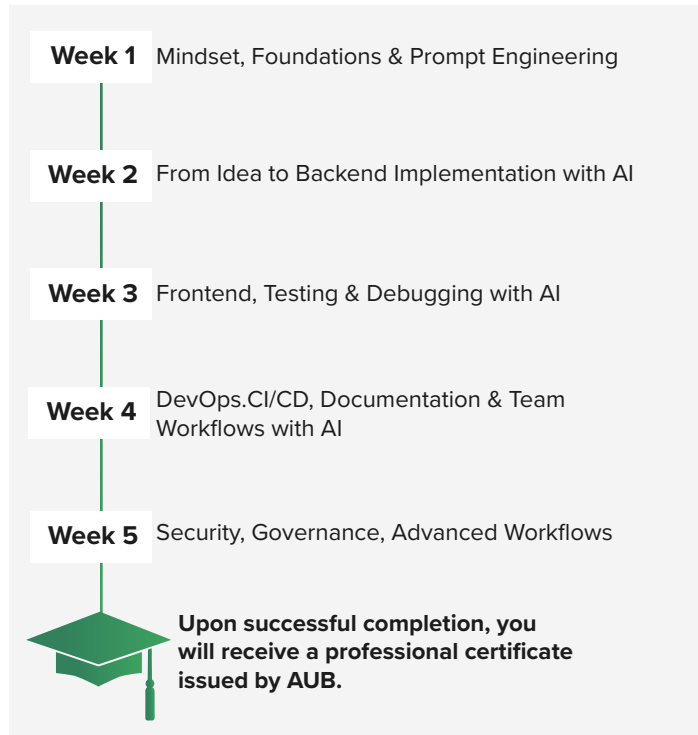


Access industry podcasts featuring experts from OpenAI, Anthropic, and Meta AI.

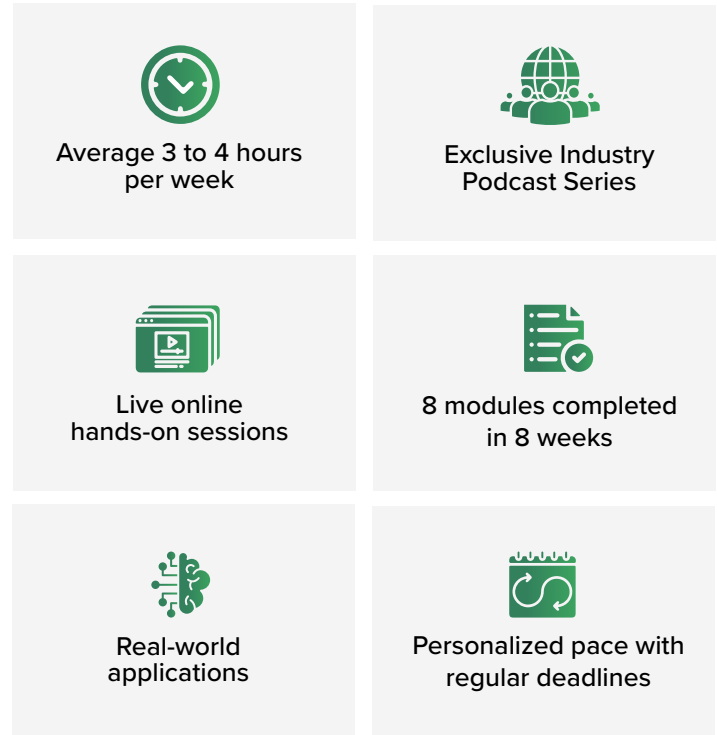


Benefit from live sessions, instructor guidance, TA support, and feedback.

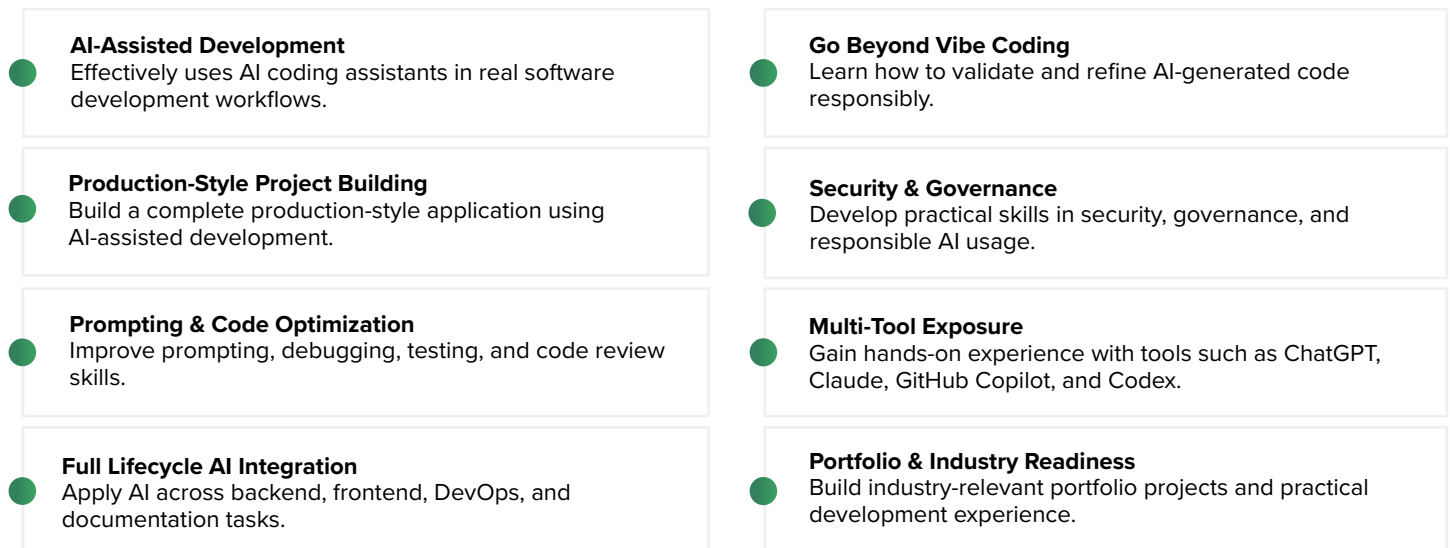
COURSE PATH



CURRICULUM & DELIVERY FORMAT



LEARNING EXPECTATIONS



**LEARN HOW TO CODE EFFECTIVELY
WITH AI ASSISTANCE**

APPLY NOW