



Building with Claude Code like an architect

A working AI product you build yourself, including preparation for the Claude Certified Architect – Foundations exam

The course prepares for the exam. It is not an Anthropic certification and does not open access to the exam. The exam is currently open only to employees of organisations in the Claude Partner Network.

Course goal

Every participant builds a working AI product, one component per session, and on the way learns what the exam tests: agentic architecture, Claude Code configuration, structured output, tools and MCP, context management and reliability.

Who it is for

- Developers, engineers and product people who build with Claude
- Graduates of "From the app you built to a product you can trust"

Prerequisites

Experience with Python or TypeScript and git, or the previous course. A laptop, Claude Pro (including Claude Code), an API account with a spending cap, and GitHub.

Structure

- **Course** 10 sessions × 3 hours · 40 academic hours
Session 9: a full mock exam. Session 10: every participant presents the product.
- Up to 10 participants per group
- One instructor. One session a week, all in class, on the participant's own laptop.
- A condensed format can be arranged for a group.

The method: the verification gate

- Before: write down what I think, before asking.
- During: ask for a source for every detail. "Do not invent. Write missing."
- After: check every detail against a source. One unverified detail = everything stays a draft.

4 outcomes for every detail, no partial pass

Verified, matches the source: use it and record the source.

Cannot be verified: do not use it. The answer stays a draft.

Verified, a gap was found: fix it from the source and record what was fixed.

The tool wrote "missing": correct behaviour. Record it and continue.

The sessions

#	Topic	Each participant leaves with
1	How Claude Code works	A repository, CLAUDE.md and a specification
2	Configuring Claude Code for a team	A team configuration for the project
3	The API from the inside	An API engine with a tool loop
4	Structured output you can trust	An extraction module with validation
5	Tools and MCP	The product's MCP server
6	Agents and orchestration	An agent with sub-agents and a guard hook
7	Context and reliability	Caching, retry and a cost log
8	Claude Code in production	An automatic PR check: the product is done
9	Exam workshop: a mock exam	A score per domain and a fix plan
10	Demo day	A demo and a personal registration path

Participant outcomes

- A working AI product with 8 tested components
- A mock-exam score per domain
- A personal exam registration path

Not included

- Access to the exam itself
- An Anthropic certification: the course prepares, it does not certify
- An introduction to programming: a background is required
- Claude Pro and API costs, borne by the participant

What the ordering organisation provides

- A classroom with a projector, power for every laptop and stable Wi-Fi
- Registration and outreach as "exam preparation", not as "a certified course"
- Scheduling 10 dates, ideally once a week



The instructor

Mati Melchior · Registered mechanical engineer · MBA · Aeronautical mechanical technician

Author of the verification gate method: a structured check of every output AI produces, before it is trusted. The method is published with DOI 10.5281/zenodo.22271340.

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