

Programming with AI (Claude Code) Course

Direct Claude Code to build, test and ship real software.

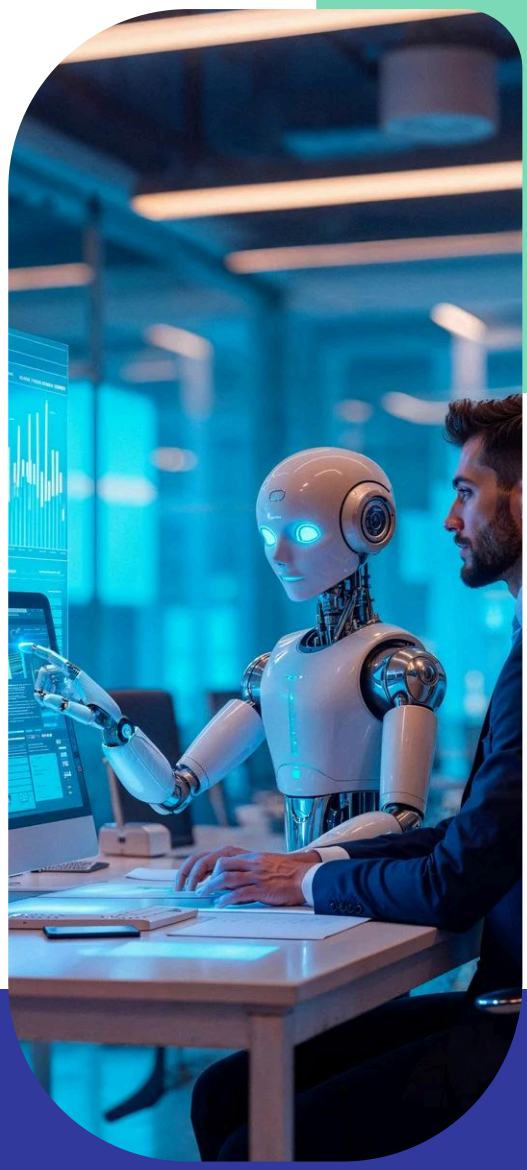
Certificate Course | A30
Duration: 24 hours
Level: Intermediate

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WHAT YOU'LL LEARN

- Direct Claude Code with confidence instead of just prompting it
- Write specs and tests that keep AI output precisely on track
- Build reusable skills and MCP connections for your own workflow
- Deliver a production-ready repository built with AI assistance



COURSE CONTENT

Module 1: From Prompting to Context Engineering
Why Claude Code is different, understanding the tool loop, installing and your first project, verifying output, and writing a testable CLAUDE.md.

Module 2: Spec-Driven Development
Prompt errors and scope, the specificity ladder, debugging with evidence, breaking down tasks, and refining specifications with plan mode.

Module 3: Skills & MCP
From sessions to systems, the spec-driven build loop, automated tests, settings and hooks, context hygiene, and delivering a production-ready repo.

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OFFICIAL CERTIFICATE

> This course leads to an official ADA certificate at NLQF Level 6, comparable to bachelor level. Your certificate proves a verified, professional level of knowledge and skills, valued by employers across the Netherlands.

Ready for your next step?
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