

AI Literacy Course

Course Description

Codio's AI Literacy gives students a working relationship with generative AI — not a one-time demo, but a full course of hands-on practice. Students learn to use AI tools independently, evaluate what those tools produce instead of accepting it at face value, and build the judgment to know when AI is the wrong tool for the job.

The course moves from foundational understanding (how generative AI works, what it costs, how to use it safely) through applied skill-building (prompting, research and verification, data interpretation) to advanced practice (designing AI agents, multi-step workflows, disclosure and accountability). It closes with a capstone where students revisit their own earlier work and show, in their own words, how their judgment has changed.

Built for any discipline — business, health sciences, humanities, STEM — wherever students will use AI in their work after graduation.

Course Objectives

- Use generative AI tools independently, understanding what they cost in compute, energy, and human labor
- Recognize bias, privacy risk, and accountability questions in AI-generated output
- Write clear, specific prompts and iterate toward better results
- Verify AI output rather than accept it at face value — checking claims and comparing responses
- Interpret and analyze data with AI assistance, asking the right analytical questions
- Design, build, and test a working AI agent
- Break complex, multi-step tasks into a reliable AI-assisted workflow
- Disclose AI involvement appropriately and apply a personal AI ethics policy



Students don't just need to know how to use AI—they need to know how to evaluate it, apply it responsibly and understand when human judgment matters most. AI literacy is becoming a foundational workplace skill, and bringing it into the curriculum gives students the practical experience they'll need long after they graduate.

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Module 0 — Course Orientation

Confirm tools work, send a first prompt, learn what to do when the chat fails. Introduces the course's five core habits and its working motto.

Module 1 — Getting Started With AI

What generative AI is, how it produces a response, and what that response costs — in compute, energy, and human labor. Safety rules for what does and doesn't belong in a prompt.

Module 2 — Ethics and Responsible AI Practices

How bias shows up in AI output, what privacy and data protection require, who's accountable when AI gets something wrong — and recognizing when AI is the wrong tool entirely.

Module 3 — Exploring AI Uses

Where AI genuinely fits into real work — productivity support, creative collaborator, decision-support tool — and learning to verify its contributions.

Module 4 — Prompting AI Effectively

Writing clear, specific instructions; iterating on responses that miss the mark; prompting for real analysis, not just surface answers.

Module 5 — Researching and Verifying AI Output

Using AI as a research tool while evaluating what it gives you — checking claims, comparing responses, building the habit of verification.

Module 6 — Understanding Data With AI
Interpreting and analyzing data with AI's help, and asking the analytical questions that lead to real insight.

Module 7 — Designing AI Behavior

Going beyond using AI to designing it — what AI agents are, building a working AI assistant, testing its behavior against real tasks.

Module 8 — Multi-Step AI Tasks

Breaking complex tasks into workflow steps, passing information cleanly between them, bringing in external tools without losing control.

Module 9 — AI Disclosure and Accountability

When and how to disclose AI involvement, who's affected by an AI-assisted decision, closing with a personal AI policy students actually believe in.

Module 10 — Capstone: The AI Judgment Portfolio

Students revisit and improve 3–5 pieces of earlier work — direct, visible proof of how their AI judgment has changed since Module 1.

Learn more:
codio.com/ai-literacy