OHIO COMPUTER ACADEMY
INSPIRE • EDUCATE • EVOLVE

LEARN CLAUDE ADVANCED

Agents, tools, and vibe coding in 16 hands-on hours



Trainer-led
Live Online or In Person

8 Skill Sprints | 16 hours

https://ohiocomputeracademy.com/

- AI agents in practice
- Vibe code a real app
- No coding experience needed

Duration	Format	Level	Certificate
16 hours	**Trainer-led**	**Intermediate**	**Included**
8 Skill Sprints, 2 hours each	Live online or in person	Basics or regular Claude use	On completing all eight Skill Sprints

WHY LEARN CLAUDE ADVANCED?

- Move from asking AI questions to having it do real work
- Understand how AI agents work and how to supervise them
- Build working tools and small apps without writing code
- See how AI has changed the way software is made
- Turn your repeating tasks into reliable workflows

PERFECT FOR

Professionals | Team leads | Entrepreneurs | Future tech careers

LEARNING HIGHLIGHTS

- **16 hours of structured training: theory first, then building on the keyboard.**
- **Just two documents: a Learner Workbook and your Personal Claude Playbook.**
- **Agents, AI coding, and vibe coding explained before you use them.**
- **Every exercise follows the same five moves: Try, Check, Improve, Keep, Use.**
- **Every exercise shows exactly what a good result must include.**
- **You finish with your own agent workflow or working app.**
- **Delivered using OCA's Skill Sprint Method: clear goals, practice, measurable progress.**

WHY THIS COURSE IS IN DEMAND

AI has stopped being a chat window. It now runs multi-step tasks, connects to real systems, and writes working software. Most people have never been shown how to direct that safely, or what to check before they trust it. This course closes that gap without requiring a single line of code.

- Repeating work turned into workflows that run the same way every time
- Tools, reports, and small apps you can build yourself
- The judgment to supervise an agent and know when to stop it
- A clear view of how software work has changed, and where people still matter
- A path toward technical and product roles for those who want one

PREREQUISITES

Learn Claude Basics, or regular Claude use

A Claude account; some Skill Sprints need a paid plan

The Claude desktop app for some Skill Sprints

No coding experience required

Please note: several tools used in this course are not available on the free plan. We confirm exactly what you need before you start.

OUTCOMES

By the end of this course you will be able to:

- Explain what AI agents are, how they work, and where they go wrong
- Set up Projects and Skills so Claude works your way every time
- Create documents, spreadsheets, slides, and small interactive tools
- Run deep research and connect Claude to your everyday tools safely
- Delegate multi-step work to Claude and supervise it properly
- Explain how coding changed before and after AI
- Build and publish a small working app by vibe coding
- Design and document an agent workflow or app for a real need

WORKPLACE APPLICATIONS & CAREER SKILLS

- **Workflow automation**
- **Operations and productivity**
- **Project and product roles**
- **Internal tools and prototypes**
- **Small business growth**
- **A path toward technical roles**

This course teaches you to build with AI without writing code. It is not a software engineering course, but it prepares you to work confidently alongside developers and AI tools.

FAQS

Who should take this course?
Anyone who already uses Claude and wants it to do real work: run agents, build tools, and create small apps.

Do I need to know how to code?
No. You will read and change code with Claude's help, but you never need to write it yourself.

Should I take Learn Claude Basics first?
It is recommended. If you already use Claude regularly and check its answers, you can start here.

How is the course delivered and how long does it take?
16 hours in total across eight Skill Sprints of 2 hours each. Every Skill Sprint is trainer-led, live online or in person at our Dublin, Ohio office.

What do I need?
A computer with an internet connection and a Claude account. Some Skill Sprints need a paid plan or the Claude desktop app, and we confirm exactly what before you start.

Is it safe to connect my email and files?
You learn exactly what each connection can see and do before you turn it on, and practice material is provided so no confidential data is needed.

What happens when Claude changes?
Lessons teach skills that last. Screen by screen steps carry a date and are updated whenever Claude changes.

Is this an official Anthropic course?
No. It is designed and delivered independently by Ohio Computer Academy and is not affiliated with or endorsed by Anthropic.

Will I receive a certificate?
Yes. A Certificate of Completion from Ohio Computer Academy on completing all eight Skill Sprints.

COURSE OVERVIEW

Every exercise follows the same five moves.

TRY IT follow the steps with the practice material • CHECK IT compare your result with what a good one includes • IMPROVE IT make one change that makes it better • KEEP IT save what worked to your Playbook • USE IT repeat it on your own real work this week

- Hands-on program in directing AI to do real work with Claude
- What an agent is, how it plans, and where it goes wrong
- Projects and Skills, so you stop repeating yourself
- Documents, spreadsheets, slides, and interactive tools created for you
- Deep research checked against its own sources
- Connections to email, calendar, and files, with permissions you understand
- Multi-step work delegated, supervised, and reviewed step by step
- How software was built before AI, and how it is built now
- Vibe coding: a small working app built by describing it
- A capstone agent workflow or app built for your own work

HOW EVERY SKILL SPRINT WORKS

Each Skill Sprint is a 2 hour live session with your trainer and follows the same seven steps.

1	**Objectives**	What you will be able to do by the end	**2 min**
2	**Lesson**	Your trainer explains the theory	**25 min**
3	**Watch it done**	Your trainer demonstrates the skill live in Claude	**10 min**
4	**Knowledge check**	A short quiz on what the lesson covered	**8 min**
5	**Hands-on exercises**	Three or four exercise cards with practice material provided	**55 min**
6	**Applied task**	One real task on your own work, submitted for review	**15 min**
7	**Recap**	The key points and your Playbook entry	**5 min**

CURRICULUM

This course follows OCA's Skill Sprint Method: clear goals, hands-on practice, real-world application, and measurable progress at every step.

Skill Sprint 1: Understanding AI Agents

2 hours

The question: What changes when AI stops answering and starts acting?

YOU WILL LEARN

- From answering questions to taking action
- Tools, steps, and loops: how agents work
- Levels of autonomy and the new risks

YOU WILL PRACTICE

- Watch Claude plan a multi-step task
- Critique the plan before it runs
- Spot where an agent could go wrong

Skill Sprint 2: Projects, Skills, and Reusable Context

2 hours

The question: How do I stop explaining the same thing every time?

YOU WILL LEARN

- Standing instructions and reference files
- What Skills are and when to use them
- Keeping context clean and current

YOU WILL PRACTICE

- Build a Project for recurring work
- Create one Skill for a routine task
- Test it on three real requests

Skill Sprint 3: Creating Files and Interactive Tools

2 hours

The question: Can Claude make the thing, not just describe it?

YOU WILL LEARN

- Documents, spreadsheets, and slides
- Interactive tools with Artifacts
- Checking a file before you share it

YOU WILL PRACTICE

- Create a report and a slide outline
- Build a working tracker or calculator
- Fix what the first version got wrong

Skill Sprint 4: Research and Connected Tools

2 hours

The question: How do I give Claude the right information safely?

YOU WILL LEARN

- Deep research and how it works
- Connectors for email, calendar, and files
- The permissions you grant, and limits

YOU WILL PRACTICE

- Run a research task on a real question
- Check the report against its sources
- Connect one tool with safe settings

Skill Sprint 5: AI Agents in Practice

2 hours

The question: How do I hand off real work and stay in control?

YOU WILL LEARN

- Cowork and Claude in the browser
- Claude in Excel and PowerPoint
- Supervising, and when to stop an agent

YOU WILL PRACTICE

- Delegate a multi-step task
- Review every step the agent took
- Write rules for what it may not do

Skill Sprint 6: AI-Assisted Coding

2 hours

The question: What does writing software mean now?

YOU WILL LEARN

- How software was built before AI
- Autocomplete, chat, then agentic coding
- What still matters: design, testing, judgment

YOU WILL PRACTICE

- Have Claude explain real code
- Ask for a change and check the result
- Map a feature from idea to test

Skill Sprint 7: Vibe Coding

2 hours

The question: Can I build an app just by describing it?

YOU WILL LEARN

- What vibe coding is, and what it is not
- Describe, test, fix, repeat
- Security, upkeep, and when to call a developer

YOU WILL PRACTICE

- Build a small web app by describing it
- Test it the way a real user would
- Publish it and share the link

Skill Sprint 8: Capstone: Build Your Own Agent or App

2 hours

The question: What will you build for your own work?

YOU WILL LEARN

- Choosing a problem worth solving
- Scoping, testing, and documenting
- Presenting what you built

YOU WILL PRACTICE

- Design your own agent workflow or app
- Build and test it on real work
- Document it in your Playbook

YOUR TAKEAWAY KIT

Two documents that stay with you after the course

The Learner Workbook holds every lesson, exercise, and recap for all eight Skill Sprints. The Personal Claude Playbook is written by you as you go: your Projects and Skills, the checks you trust, and the workflows you now run. Together they become your personal build reference.

By the end of the course you will have:

- A Project and a Skill for your recurring work
- A working tool built with Artifacts
- A research report checked against its sources
- A delegated agent task, reviewed step by step
- A small web app you built and published
- Your own agent workflow or app from the capstone

HOW YOUR PROGRESS IS CHECKED

There is no final exam. Your progress is checked on what you understand and what you can actually do with Claude.

- A short knowledge check after every lesson
- A Check it step in every exercise, showing what a good result includes
- One applied task per Skill Sprint, reviewed by your trainer
- A final capstone: your own agent workflow or app, built and tested

A Certificate of Completion from Ohio Computer Academy is awarded on completing all eight Skill Sprints and their applied tasks. Your Playbook stays with you as evidence of your work.

OHIO COMPUTER ACADEMY
INSPIRE • EDUCATE • EVOLVE

START YOUR LEARNING JOURNEY TODAY!

Build with AI Agents and Apps Hands-On

16 hours | 8 Skill Sprints

- https://ohiocomputeracademy.com/
- info@ohiocomputeracademy.com
- +1-866-648-7284

5900 Sawmill Road, Suite 150, Dublin, OH 43017 | MBE Certified Organization

ENROLL NOW!