

WBS CODING SCHOOL

AI Automation Engineering

- Full-time
- 100% online
- 40 weeks of learning
- English or German
- 3 industry-recognised certifications
- MacBook Air included

Table of contents

01 Why AI Automation Engineering?

03 What to expect?

04 Learning methodology

06 Our digital tools

07 Syllabus

14 Claude is included

15 Course technologies

16 Certifications

17 MacBook Air

18 Team support

19 Career services

20 Job market

21 WBS CODING SCHOOL

22 Our alumni

23 Contact

Why choose AI Automation Engineering?

Organizations are rapidly moving from simple AI experimentation to deploying productive, governed AI systems. The AI Automation Engineer program trains you to design, build, deploy, and operate AI-powered automations and agent systems for real business processes.

From No-Code to Code-First

You will progress from visual, no-code workflow automation to professional software engineering with Python. This ensures you understand both the market's current tools and the deep engineering principles behind them.

Future-proof career opportunities

Graduates are highly qualified for technical roles at the intersection of business process automation, software integration, and applied AI. You will be ready to work across the full spectrum: from rapid process automation to production-grade agent development.

That’s why you belong here!

Personal guidance and interactive learning formats

Our teaching approach combines personalized support with dynamic **live group sessions**. An instructor is available every day to assist you, and live lessons keep you actively engaged.

Regular one-on-one meetings give you the opportunity to clarify individual questions directly with your instructors and receive tailored guidance. Additionally, **live workshops** ensure you deepen your understanding and stay connected to the course content.



What can I expect in the course?

In our course, you'll master the tools professionals rely on: starting with fundamental workflow builders and moving to Python, SQL, the Model Context Protocol (MCP), retrieval-augmented generation (RAG), and cloud-based AI platforms like Microsoft Foundry.

Whether you're a beginner or already have some experience, we'll cover both foundational concepts and advanced techniques, equipping you with the skills needed to excel your career



Our students especially benefit from:

- **Hands-on projects:** Each major concept is first implemented in a no-code environment and then rebuilt from scratch in code.
- **3 industry-recognised certifications:** Microsoft Certified: Azure AI Fundamentals, Microsoft Certified: Azure AI Apps and Agents Developer Associate, PCEP Certified Entry-Level Python Programmer (can be passed after the course)
- **Focus on teamwork:** Learning in groups to simulate real-world work environments.



How do I learn in the course?

Project-based learning is at the core of what we do. You'll tackle real-world challenges and solve problems just like in a real company. This includes:

- **Group work to strengthen teamwork skills.**
- **Regular lessons and 1:1 support for individual guidance**
- **Quizzes and presentations to reinforce what's been learned**
- **Varied tasks to help you build an impressive portfolio.**

Learning methodology

Our goal is to prepare you for the future of work with a modern learning approach. That's why we combine **hands-on learning with dedicated personal support.**

You can look forward to instructor-guided exercises, modern learning resources, and our **AI assistant NOVA**, who's available to support you 24/7. Then, we'll use our time together with instructors for what matters most: putting your skills into practice.

Instead of long lectures, you'll join **short, interactive live sessions** where you can get your questions answered and collaborate on projects in a team setting. Our instructors act as personal mentors, offering you tailored feedback and guidance. This dynamic approach ensures you'll be well-prepared for the many challenges of the job market.

Guided practice:
Every topic pairs your instructor's live session with hands-on, instructor-guided exercises and regular check-ins, so you apply what you learn straight away.

Learning and collaboration: our digital tools

Learning Management System (LMS)

Our intuitive LMS is your go-to platform for all learning materials, assignments, and projects. It keeps you on track and makes managing your studies a breeze. Whether you're working independently or collaborating with your team, our LMS supports your every step.

Slack – your team messenger

Slack is where all the magic happens! It's our central tool for communication and collaboration. Connect with your instructors, ask questions, and get the support you need. Plus, Slack lets you network with fellow participants, share ideas, and work together on exciting projects.

Google Meet – for your video calls

Google Meet is our go-to tool for virtual meetings and video calls. With high-quality video, clear audio, and screen-sharing capabilities, Google Meet makes collaboration easy and keeps you connected with us.

Syllabus

Automation, AI & Programming Foundations (11 weeks)

2 weeks

No-Code Workflow Automation

Master powerful workflow builders like n8n, connect essential SaaS apps, and build your first end-to-end automation to streamline real-world tech processes and boost your efficiency.

1 week

Automation & Process Design

Learn business process mapping and how to document workflows for stakeholders.

2 weeks

Generative AI & Agentic Systems

Understand LLMs, prompting, and responsible AI principles, adding your first AI step to an automation.

2 weeks

Python Foundations

Learn Python from scratch, including data structures, Git, and using AI coding assistants.

2 weeks

Consuming APIs & JSON in Python

Handle REST APIs, parse JSON, and replicate automation logic in Python.

2 weeks

Databases & Data Persistence

Master SQL, relational database design, and get an introduction to vector storage.

Advanced Automation & Agent Backends (6 weeks)

2 weeks

Advanced No-Code Workflow Automation

Build human-in-the-loop checkpoints and grounded, retrieval-augmented (RAG) workflows.

2 weeks

Building AI Agents with Frameworks

Create agents with memory and guardrails, and manage hand-offs using the Agent2Agent (A2A) protocol.

2 weeks

Exposing & Securing Agents As APIs

Build secure, rate-limited web APIs around your AI agents.



Agentic Architecture & Knowledge Integration (7 weeks)

1 week

Tool Use & Structured Outputs

Design reliable schemas and handle multi-tool selection successfully.

2 weeks

Building MCP Servers With The SDK

Set up custom MCP servers and clients in Python from scratch.

1 week

Model Context Protocol (MCP)

Discover the MCP architecture and how it secures connections.

1 week

Retrieval-Augmented Generation

Master vector similarity search and build a minimal RAG pipeline in Python.

2 weeks

MCP Servers in No-Code Workflows

Expose workflows as MCP servers and connect external agents.

Deployment & Responsible AI Operations (6 weeks)

1 week

Deploying No-Code Workflows

Learn environment separation, monitoring, and version control.

2 weeks

Deploying Standalone Agents

Containerize your Python agents and manage CI/CD pipelines.

1 week

AI Governance, Risk & Compliance

Understand data protection, privacy, and conduct AI risk assessments.

2 weeks

Safety & Human-In-The-Loop

Design kill-switches, escalation paths, and responsible deployment practices.



Cloud AI Platform Specialization (6 weeks)

1 week

Cloud AI Fundamentals Prep

Prepare for the Microsoft AI-901 exam and explore Microsoft Foundry.

2 weeks

Cloud AI Infrastructure

Deploy managed models, configure endpoints, and handle identity-based access.

1 week

Cloud AI Agent Platforms

Build and configure native agents directly in Microsoft Foundry.

2 weeks

Cloud AI Apps Developer Prep

Master multimodal scenarios and prep for the Microsoft AI-103 certification.



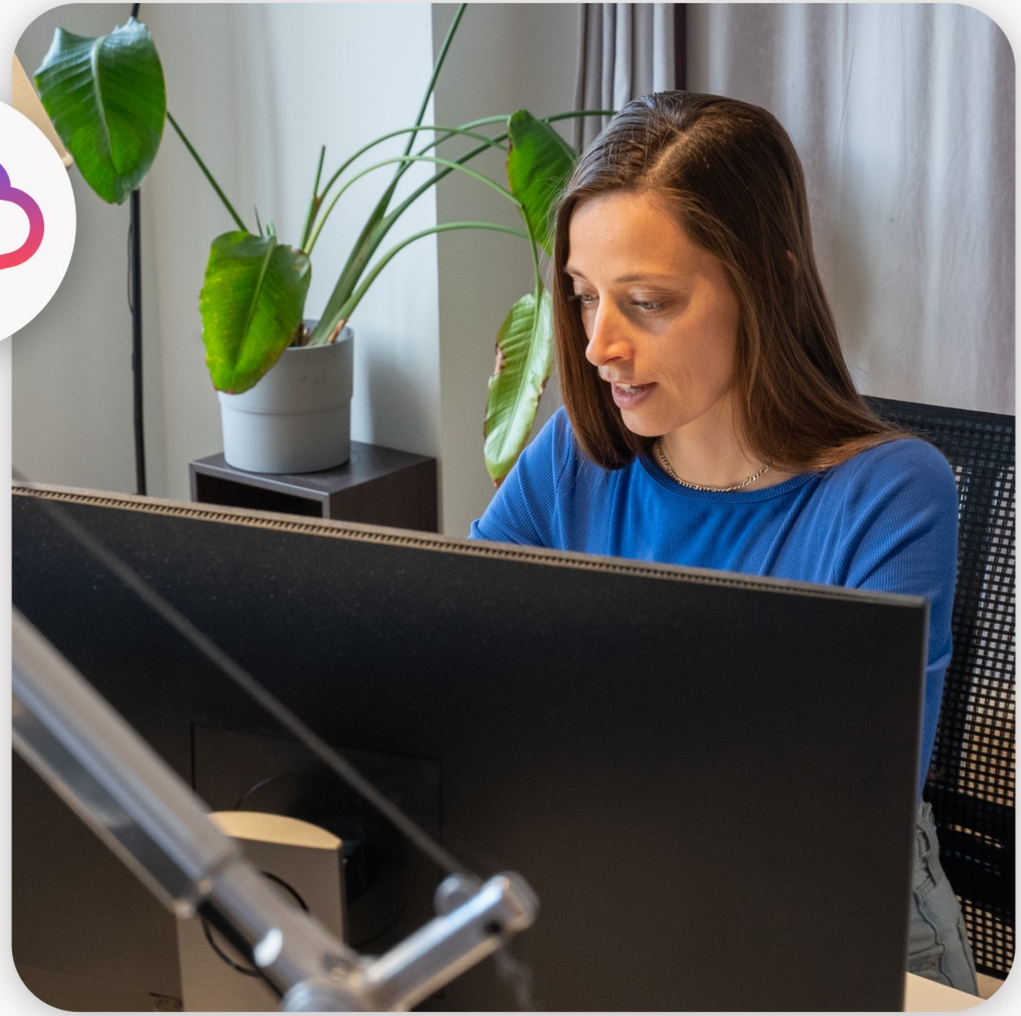
4 weeks

Final project

The program concludes with an intensive four-week final project. During this phase, you will independently design, implement, deploy, and document a complete AI automation solution. This comprehensive project integrates everything you have mastered throughout the course: workflow automation, Python, AI agents, MCP, RAG, and responsible AI practices.

A portfolio that stands out

By the time you complete your project, you'll have a portfolio-ready piece that demonstrates your expertise.



Included with your course

Your own Claude seat, and the skills to use it

Every student gets a full Claude seat with Claude and Claude Code enabled for the entire 40-week course, plus Anthropic API credits on selected course modules.

Claude supports your thinking, planning, and debugging. Claude Code goes further: an agentic coding tool that works alongside you in the terminal, reading your codebase, writing and testing code, and handling multi-step tasks while you stay in control.

Tools like this are rapidly becoming standard kit in professional teams. By the end of the course, working with them won't be something you've tried, it will be how you work.



Course technologies

n8n
A visual automation tool that empowers you to seamlessly connect SaaS apps, orchestrate AI pipelines, and streamline complex business processes.

Vector Storage
Used for similarity search and building RAG (Retrieval-Augmented Generation) pipelines.

Docker & CI/CD
Key tools for containerising your services and automating deployments securely.

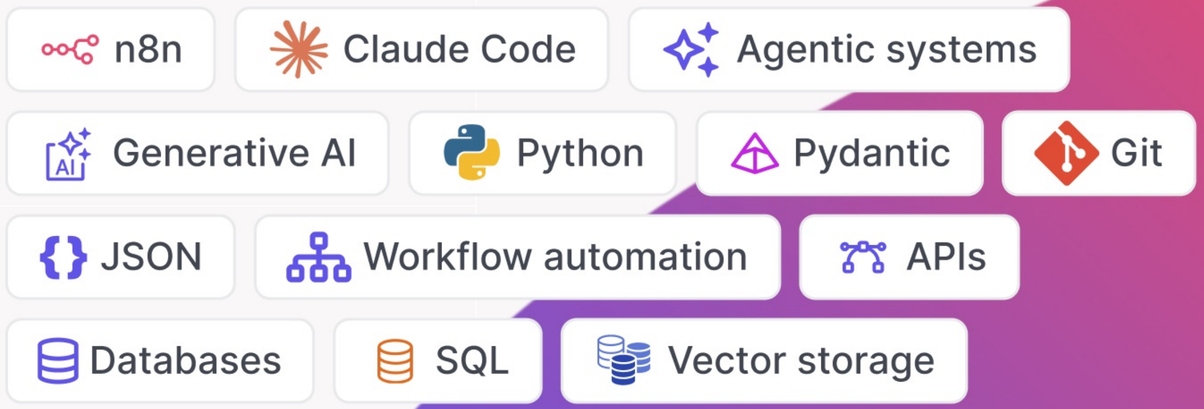
Claude Code
An advanced AI-powered coding assistant that helps you write, debug, and understand code faster.

JSON & APIs
Crucial for mapping data and consuming authenticated HTTP requests.

Microsoft Foundry & Azure
The cloud platforms used for deploying managed models and building native agents.

Python
The core programming language used to translate workflow logic into robust scripts and build AI agents.

MCP (Model Context Protocol)
The open standard you'll use to connect AI models to external tools and data sources.



SQL & Relational Databases
Essential for data persistence, schema design, and querying structured information.

Agent Frameworks
Including tool calling, memory architecture, and cross-agent hand-offs (A2A protocol).

Certifications that open doors

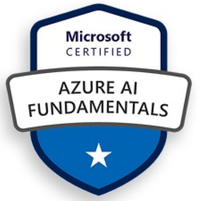
Throughout our course, you'll have the opportunity to earn several recognized certifications online, which officially validate your skills:

These external certificates are valuable proof of your technical skills and make you especially attractive to employers.

Additionally, you'll receive a **completion certificate from WBS CODING SCHOOL**, confirming your successful participation in the course. Your personal portfolio – filled with impressive projects you create during the course – not only shows what you've learned but also demonstrates how you can apply your knowledge in practice.

With these certifications and your portfolio, you'll be perfectly positioned to kick-start your career in the tech industry!

AI-901 Microsoft Certified:
Azure AI Fundamentals: Your foundation for AI concepts on Azure.



AI-103 Microsoft Certified:
Azure AI Apps and Agents Developer Associate: Your proof of expertise in developing intelligent AI agents.



PCEP Certified Entry-Level Python Programmer *(can be passed after completing the program)*: Your certificate for solid Python programming skills.



Your tool for success:

free MacBook Air

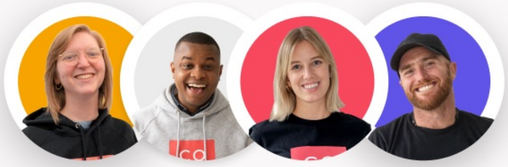
At WBS CODING SCHOOL, we want to set you up for success – and that starts with the right equipment. As a student in our 10-month program, you'll receive a powerful MacBook Air.



What makes this offer so special?

- **It's yours to keep:** The MacBook Air is yours after successfully completing the course.
- **Top-tier technology:** A sleek MacBook Air with a stunning Retina display – featuring the base model available at the time of enrolment, ready to help you tackle challenging projects with confidence.
- **Completely free:** No hidden fees or deposits required.
- **Delivered to you:** Your device arrives before the course begins, so you're ready to hit the ground running. However this may vary for students living in rural areas.

Equipped with this high-performance device, you're ready to excel. Leverage one of the industry's finest tools and begin your journey to success!



Team support: we're here for you

At WBS CODING SCHOOL, you're never on your own. Our dedicated team supports you every step of the way.

Operations team

The Operations Team ensures that your course runs smoothly. Whether it's organizational questions, technical challenges, or anything else – our team handles all the details.

Instructors

Our instructors are not only experts in their fields but also passionate educators. They'll be there for you throughout the course, helping you unlock your full potential.

Admissions team

First, you'll meet our Admissions Team. They'll guide you through the entire application process, answer your questions about course content, financing, and entry options, and help you to achieve your goals.

Community team

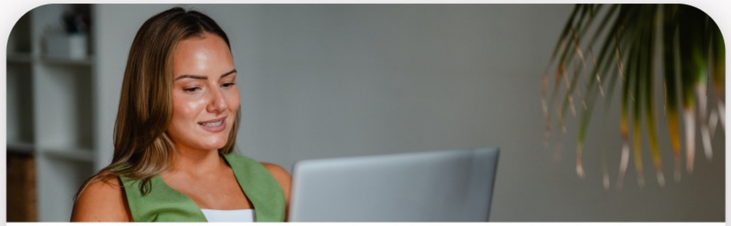
The Community Team makes sure you feel part of our vibrant community, even online. With regular events, networking opportunities, and an active Slack community, we encourage interaction and connection – both during the course and beyond.

Career services

Our Career Services team is here to kickstart your journey into the working world. We'll help you level up your application materials, get you interview-ready, and share valuable tips to ace your job search.

Career support for your dream job

We support you on your journey into the tech world: from personalized career advice to exciting events. Your success is our goal – during the course and beyond!



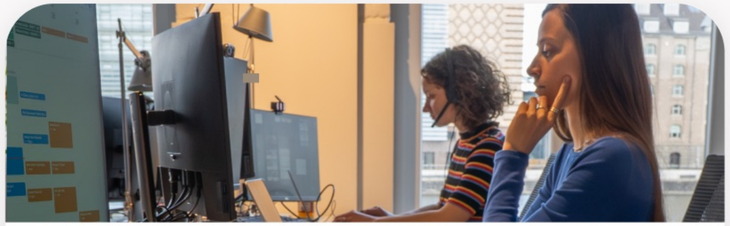
Career service

Our career service helps you present yourself in the best possible way – not only during your studies but also up to 12 months after graduation! From optimizing your resume to targeted interview preparation, we're here to support you.



Events

Use our events to make valuable connections in the industry. For example, at our Alumni Talk, former students share how their careers have progressed after the course – a perfect opportunity to gain insights and learn from real experiences.



Partners

With strong roots in the Berlin tech scene and close ties to companies and industry experts, we offer you a network that makes it easier to enter the job market. Our partners are always on the lookout for talent and exciting projects – and you can benefit from that!

Job market and prospects



The career prospects in **AI Automation Engineering** are massive. As organizations move to productive AI systems, the demand for professionals who can build and integrate these tools is growing rapidly. Your skills will allow you to work across all sectors: from digital agencies and consultancies to the internal IT units of global enterprises.

Possible career paths include:

- **AI Automation Engineer**
- **Business Process Automation Specialist**
- **AI Agent Developer / AI Engineer**
- **Workflow/Integration Engineer**
- **AI Solutions Engineer**
- **Automation Consultant**

WBS CODING SCHOOL

Your entry into the tech world

Since 2019, we've been dedicated to transforming ambitious learners into tech industry professionals. Our online courses in AI, Data, UX/UI, and Software Development are designed to meet the fast-paced demands of today's job market. Guided by expert instructors, students learn by doing, building the confidence to tackle the challenges of a dynamic tech industry.

But we're more than just tech training. We're a community built on inclusivity, empowering the innovators of tomorrow through personalized support, hands-on projects, and a focus on skills that make a real impact. Together, we're shaping a tech industry that's diverse, accessible, and ready for the future.

WBS GRUPPE – our strong roots

As part of the renowned WBS GRUPPE, one of Europe's leading providers of professional development, we benefit from over four decades of experience and an extensive network.



WBS CODING SCHOOL in numbers

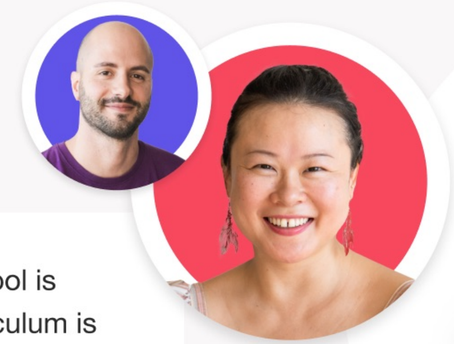
40+ years of experience from the WBS GRUPPE

2019 - founded as part of the WBS GRUPPE

2,000+ graduates

280+ WBS locations

What our alumni say



"As a WBS CODING SCHOOL AI Agents & Automation alum, I can say the school is great and the support you get from beginning to end is truly amazing! The curriculum is practical and focuses on real-world applications rather than just dry theory. [...] If you're considering enrolling, don't hesitate."

★★★★★ **Frosina, AI Agents & Automations Graduate**

"The course was a real hit for me – professionally top-notch and incredibly inspiring for everyday life. The content was well thought out and excellently prepared."

★★★★★ **Nicole Linde, AI for Business Graduate**

Course Report
4.8/5 Stars

Switchup
4.8/5 Stars

Google
4.8/5 Stars

Trustpilot
4.7/5 Stars

Where our alumni work:

accenture, aws, BASF, facebook, Lufthansa, Mercedes-Benz, SHARENOW, TESLA, Toyota, DB, SAP, zalando, Klarna, Meta, Lieferando

Updated on November 11, 2026

WBS CODING SCHOOL

Building Futures, Together in Tech

Phone: +49 (0)30 555 789 760
Email: info@wbscodingschool.com
Website: www.wbscodingschool.com

