

Introduction to Programming with Python

Learn programming from zero. Variables, loops, functions, and your first projects. The entry point for career changers with no prior experience.

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Program Overview

PRICE
\$500

DURATION
4 weeks

FORMAT
Self-paced

LEVEL
Beginner

Learn programming from zero. Variables, loops, functions, and your first projects. The entry point for career changers with no prior experience. This foundations track is structured for adult learners who need practical, career-relevant depth without academic abstraction. Delivered as a self-paced experience, the course combines guided milestones, implementation reviews, and applied exercises aligned with modern AI, engineering, and technical leadership work.

Outcomes

- Write clean Python scripts using variables, conditionals, loops, and functions.
 - Break larger problems into smaller logical steps and reusable functions.
 - Read user input, validate simple data, and handle everyday programming errors.
 - Ship beginner-friendly projects that prove hands-on skill instead of passive theory.
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Includes

- 4 guided learning weeks with project checkpoints.
 - Downloadable exercises, reference sheets, and solution walkthroughs.
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- Career transition study plan for first-time technical learners.

- Capstone mini-project and certificate-ready completion rubric.

Syllabus

WEEK 1

Thinking Like a Programmer

Set up Python, understand how code executes, and learn the building blocks of basic scripts.

Topics: Python setup, Variables and data types, Print and input

WEEK 2

Logic, Branching, and Repetition

Control program flow with conditions and loops while practicing pattern recognition.

Topics: If and else, For and while loops, Simple debugging

WEEK 3

Reusable Code with Functions

Organize code into functions, pass arguments, and return results in a maintainable way.

Topics: Function design, Parameters and return values, Scope basics

WEEK 4

Projects and Problem Solving

Apply core concepts through practical beginner projects and structured review.

Topics: Project planning, String and list practice, Final mini-project

Instructor

Maya Chen

Maya is a Python educator and curriculum designer who helps adult learners move from career transition to technical confidence with project-first instruction.

This Blootou Intelligence syllabus is an admissions overview for planning and evaluation. Final cohort dates, live session timing, assessments, and platform access details are shared in the welcome packet after enrollment.

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