

Getting Started with Python

Getting Started with Python is the first course in the specialization Python for Everybody. It covers Chapters 1-5 of the textbook Python for Informatics, which is the same material as the first half of the course Programming for Everybody (Python).

Each Chapter will have a quiz and one or two required programming assignments. You must complete all of the quizzes and assignments to pass the course. To pass a quiz, you must get 8 out of 10 questions correct. There is no partial credit on programming assignments.

The class is seven weeks long, with suggested deadlines each week to help you stay on track. These weekly deadlines are not mandatory, and you can turn them off from the Course Settings options at the bottom of the Home page.

Students who want to earn a certificate will be asked to verify their identity each time they submit a quiz or assignment. If you do not plan to earn a certificate, you can also turn off these reminders from Course Settings. But if you want to get a certificate later, you should not turn these off.

You must complete all course requirements by the end of the last week to pass the course. If you have not completed the course, you can enroll in the next session and your work will be carried over. New sessions will begin every six weeks.

Syllabus

Week 1

Chapter One: Why We Program

- Welcome
- Lecture Materials
- Additional Materials

Week 2

Installing and Using Python

- Installing Python – Overview
- Using Python in this Class
- Python Code Playground

- Recommended: Install Python - Windows 8
- Recommended: Using Python - Macintosh
- Recommended: Using Python on a Raspberry Pi
- Recommended: Install Python - Windows Vista
- Optional Assignment: Python Installation and Screen Shots
- Bonus Interview: Eben Upton and the Raspberry Pi

Week 3

Chapter One: Why We Program (continued)

- Lecture Materials
- Review: Chapter 1 Quiz
- Assignment: Write Hello World
- Bonus Interview: Daphne Koller

Week 4

Chapter Two: Variables and Expressions

- Lecture materials
- Review: Chapter 2 Quiz
- Assignment 2.2
- Assignment 2.3
- Bonus Interview: Pooja Sankar

Week 5

Chapter Three: Conditional Code

- Lecture Materials
- Review: Chapter 3 Quiz
- Assignment: 3.1
- Assignment: 3.3
- Bonus Interview: Massimo Banzi

Week 6

Chapter Four: Functions

- Lecture Materials
- Review: Chapter 4 Quiz
- Assignment: 4.6
- Bonus Interview: Guido van Rossum

Week 7

Chapter Five: Loops and Iteration

- Lecture Materials
- Review: Chapter 5 Quiz
- Assignment: 5.2
- Bonus Interview: Niklaus Wirth

A note about Specializations...

A Coursera Specialization is a series of courses that are designed to build on each other and culminate in a Capstone project. All courses except the Capstone are free, but to receive a Specialization certificate, you must pay for and earn a verified certificate in each of the courses. The Capstone is only open to students who have completed and received certificates in all of the other courses.

The University of Michigan offers the specializations [Python for Everybody](#) and [Web Design for Everybody](#). Python for Everybody is based on the free textbook [Python for Informatics](#), and includes the following courses:

- [Getting Started with Python](#) Chapters 1-5
- [Python Data Structures](#) – Chapters 6-10
- [Using Python to Access Web Data](#) – Chapters 11-13
- [Using Databases with Python](#) – Chapters 14-15

Students with a **Course** Certificate in the 10-week course Programming for Everybody PR4E start at the third course if they want to complete the specialization.

You can find links to all courses offered by the University of Michigan at <https://www.coursera.org/umich>.