







INTRODUCTION TO PYTHON

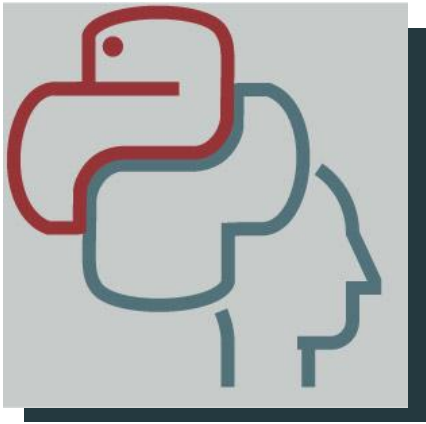


 November 3-4, 2025
 Toronto, ON

 \$525 + tax before Sep, 03
 \$725 + tax until Oct, 21

 In-person event
 Awards available

Course description



Worldwide, Python is one of the most used programming languages. It can be used for tasks from building websites to conducting data analysis and task automation thanks to the language's ever-growing community that develops excellent resources and libraries. These characteristics make Python a great choice for bioinformaticians, but it can be challenging to take full advantage of it without proper guidance. This workshop introduces the essential ideas and tools of Python, covering basic Python programming concepts and syntax. Participants will apply these skills to bioinformatics data through hands-on lab exercises.

What will I learn?

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

- Explain and use programming concepts such as variables, control structures, functions, and parameters
- Use Python's basic data types, including numbers, Booleans, strings, lists and dictionaries, to model a problem's data
- Break down and compose solutions to computing tasks in Python
- Understand and use programming best practices, following standards for coding and documentation
- Apply these skills to processing bioinformatics datasets



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