

# Python

## Course Description

### *Audience*

This course introduces the Python programming language to developers with previous programming experience in other languages. To take full advantage of this course, participants are expected to have some knowledge of object-oriented programming and basic skills in working in a Unix/Linux environment.

**Note** This course is an introduction to Python, not to programming in general. Skilled developers may find self-study more appropriate. In this course you will not learn how to customize the Carmen applications using Python. See [Python in Studio](#).

### *Prerequisites*

None

### *Duration*

2 days

### *Course goals*

The course gives you a thorough introduction to Python. After completing the course you will:

- be familiar with the Python language types, operators, basic statements, functions, modules, classes, exceptions and some built-in tools
- know how to use Python in the Unix environment.

### *Course topics*

- Introduction: the first Python example
- Basics and built-in data-types
- Program flow and functions
- Object-orientation: modules, packages and classes
- Error handling
- Iterators and generators
- Testing and performance
- Some useful built-in modules