

○ **Programming in Python**

<i>Codice insegnamento:</i>	104R-Python
<i>Docente/i:</i>	Mirko Cesarini
<i>Periodo:</i>	end of Oct., Nov., Dic
<i>Ore:</i>	16

Titolo/Title: Programming in Python

Docente/Teacher: Mirko Cesarini (mirko.cesarini@unimib.it)

Lingua/Language: Italian (English on request). Lecture notes and material will be in English

Breve descrizione / Short Description:

- Introduction to algorithms and programming language types
- Introduction to structured programming
 - Variables and types, type checking in scripting languages
 - Conditional Instructions
 - Complex data structures
 - Loops
 - Functions
- Organizing large code
 - Introduction to Python Libraries
 - Introduction to Object Oriented Programming
 - Introduction to Software Engineering
 - Introduction to version management systems
- Introduction to libraries for data management, numerical computing, and Machine Learning
 - Pandas
 - Scikit-learn
- Software complexity
- AI and coding

CFU/Ore: 16 Hours

Periodo di erogazione / Teaching Period: end of Oct to Dec. 2025 (it might change)