COURSE SYLLABUS

Computer Science Summer Program NYC (High School & College)

In this intensive bootcamp, you'll learn to program using Java and Python, two of the most popular and universally-applicable languages used by software developers today. This course will give any student a head start in university-level coding courses.

For more information, visit https://www.creativelive.com/learning-path/computer-science-summer-camp



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Course Outline

This package includes these courses

- Java Summer Program NYC (High School & College) (50 Hours)
- Python Data Science & Machine Learning Program NYC (High School & College) (45 Hours)

Java Summer Program NYC (High School & College)

This course will prepare you to excel as a programmer throughout college and beyond! Beginners will become advanced coders through our fast-moving curriculum and project-based approach to learning.

- Write and use industry-standard algorithms
- Write your own programs in both the object-oriented and procedural paradigms
- Write your own functions
- Read and understand large programs
- Understand how to think like a Programmer

Python Data Science & Machine Learning Program NYC (High School & College)

Learn programming fundamentals & data science in Python in a 2-week computer summer camp. Gain an in-depth understanding of Python, data science, including inputting, graphing, and analyzing data.

- Programming fundamentals in Python
- How to write conditional statements in Python
- Input data using the Pandas package
- Clean and wrangle data
- Visualize and understand complex data
- Use machine learning algorithms