



**SUMMER
SPRINGBOARD**
Look Inward. Go Upward.

Computer Science Infosheet

**New student admissions for
Summer 2025 are open.**



Program Highlights

- Gain foundational experience with the Python programming language, exploring the fundamentals and covering a blend of theory and hands-on practice.
- Gain proficiency using different data types and be introduced to basic data manipulation techniques using Pandas and NumPy.
- Learn to create and manipulate collections and become adept at using loops for iterating over data.
- Gain insights into how Python can be used in various fields like web development, data science, automation, and more.



2025 Dates

Berkeley (\$5,998)

- Session 1: June 15 - June 27
- Session 3: June 29 - July 11
- Session 5: July 13 - July 25

Barnard/Columbia (\$5,898)

- Session 1: July 06 - July 18



Academic Program Overview

This course offers an engaging introduction to coding through Python, suitable for both beginners and those with some programming background. Students will explore Python fundamentals, covering key topics like variables, data types, control structures, functions, and loops, with a blend of theory and hands-on practice. Students will undertake a series of projects, each designed to enhance problem-solving skills and coding proficiency. Those with previous experience in programming will find opportunities to challenge themselves further, while newcomers will gain a solid foundation in Python syntax and program design. The course culminates in a final project, enabling students to demonstrate their skills and add a significant piece to their programming portfolio. This course is structured to build confidence and competence in Python, paving the way for future programming endeavors.



Excursions

In Berkeley, past excursions have featured visits to major tech hubs like Google HQ, a guided tour of Intel's headquarters and museum, and the Computer History Museum. Previous speakers have included a developer from Microsoft and the founder of a stealth startup in the Bay Area. In New York, last summer's program took students on a behind-the-scenes tour of Microsoft, where they explored cutting-edge technology, and also engaged in immersive spy simulations at Spyscape.

Instructors

Berkeley - Craig Persiko, MS

Craig Persiko is a Professor of Computer Science (CS) at City College of San Francisco (CCSF), where he's taught introductory programming courses for over 25 years with a practical, hands-on approach. He's a veteran instructor and has experience teaching high school students during his summers breaks from CCSF. He chaired the CCSF Computer Science Dept for 8 years and briefly took a study-sabbatical to become proficient in Data Science, a class he also teaches at CCSF.

Barnard/Columbia - Dr. Christelle Scharff

Dr. Christelle Scharff is a Professor of Computer Science at Pace University. She has a Ph.D. in Symbolic Artificial Intelligence (Theorem Proving and Automated Deduction) from INRIA, the French National Institute for Research in Digital Science and Technology. Her current research focuses on global software engineering, mobile for social change, and machine learning.

Tuition Information:

Residential Students:

- **Includes:** all meals, lodging, excursions, academic course, weekend excursions
- **Excludes:** optional airport pickup and drop off service (available for an additional fee)
- **Price:** See prices under 2025 dates

Commuter Students:

- **Includes:** lunch, academic course, excursions, programming from 9am to 5pm, Monday-Friday
- **Excludes:** lodging, breakfast, dinner, weekend excursions
 - Weekend excursions can be added on for \$125 per day
- **Price:** \$3,298

Supplements:

- **Application fee:** Starting at \$99 (mandatory, non-refundable)
- **Tuition Protection Plan:** Allows for cancellation for any reason up until the day of the program. Click [here](#) for more info.



Course Structure

There are nine 3-hour class sessions over the two-week course. During week one, students have class from 9am-12pm, Monday - Friday. During week two students have class from 9am-12pm Monday through Thursday. Wednesday afternoons are dedicated to additional academic time (excursions, speakers).



Typical Schedule



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