



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

Math for Machine Learning Infosheet

New student admissions for
Summer 2024 are open.



Program Highlights

- Learn the basics of machine learning: What is data? What are models? How do machines learn?
- Discover how math is used in machine learning: Math helps us design and train machine learning algorithms, evaluate their performance, and interpret their results.
- Explore the different types of machine learning algorithms: How do linear regression, logistic regression, decision trees, and support vector machines work?
- See how machine learning is used in the real world through the use of power image recognition, natural language processing, fraud detection, and many other applications.



Academic Program Overview

Is your student interested in a potential academic major or career in artificial intelligence or data science? Professionals in these fields work on training and deploying mathematical models of all kinds to solve real-world problems. Students in this course will be introduced to the fundamental mathematical concepts that underpin machine learning. They will learn how to use math to design algorithms and select parameters, as well as the use of data analytics to analyze, visualize and interpret data.



Excursions

Meet with experts in the artificial intelligence industry to learn more about majors and careers. Learn firsthand what it's like to work in a world where machines can become reality. Excursions may include visits to AI labs and research facilities pioneering undiscovered innovations.



2024 Dates

Berkeley

- Session 1: June 16 - June 28
- Session 5: July 14 - July 26

Instructors

Instructor - TBA

Courses are taught by accomplished and passionate faculty recruited from many area colleges, universities and professional forums. Each faculty member is selected for their subject area expertise and proven ability to both challenge and captivate students.

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: \$5,898

Commuter Students:

- Includes: lunch, academic course, excursions, programming from 9am to 6pm, Monday-Friday
- Excludes: lodging, breakfast, dinner, weekend excursions
 - Weekend excursions can be added on for \$125 per day
- Price: \$3,198

Supplements:

- Application fee: \$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.

[Apply Now!](#)



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



[More info on Airport Transfer](#)

[More info on Unaccompanied Minor Service](#)

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