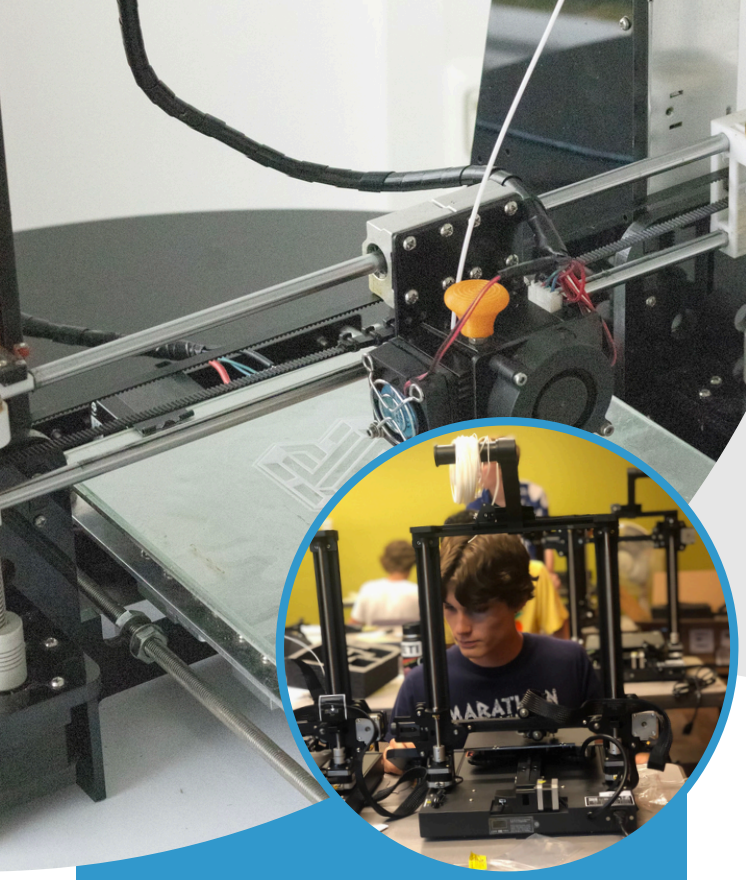


SUMMER SPRINGBOARD
Look Inward. Go Upward.

Design Thinking + Rapid Prototyping Infosheet

New student admissions for Summer 2027 are open.

2-Week Course

This is a two-week program where you'll focus on one course for the entire duration.

Program Highlights

- Learn how to design products using Autodesk Fusion360 and then build your own Creality Ender Pro V2 3D printer.
- Gain a deep understanding of the design principles and methods of 3D Computer-Aided Design (CAD) and rapid prototyping using a 3D printer.
- Develop critical thinking and problem-solving skills in the context of 3D CAD Design and rapid prototyping.
- Acquire skills and knowledge required to build your own 3D Printer and create functional and aesthetically pleasing 3D-printed products.

2027 Dates

Berkeley

- Session 7: June 25 - August 06

Academic Program Overview

Students in the Design Thinking & Rapid Prototyping course will be using a 3D printer that they will build and take home. This course is designed for students interested in engineering, product design, rapid prototyping, and manufacturing. With the growing importance of additive manufacturing in modern industry, this course provides students with the skills and knowledge required to design and build 3D-printed prototypes quickly and efficiently. The course emphasizes the principles of 3D CAD design, including design methodology, geometric modeling, and assembly modeling, which are critical for developing accurate and manufacturable designs. Additionally, the course covers the basics of 3D printing, including selecting and maintaining a 3D printer, materials, and printing techniques, which are essential for producing high-quality prototypes. By the end of this course, students will have the skills and knowledge required to create functional and aesthetically pleasing 3D-printed products, making them highly competitive in today's job market.

Excursions

Students will extend their learning through academic experiences such as guest speakers, hands-on projects, professional insights, and potential site visits. Past experiences have included visits to Makelab, a rapid prototyping company, and Adobe, a Bay Area leader in creative and digital media.

Instructors

Berkeley - Rudi Hechfellner

Rudi Hechfellner brings 25+ years of expertise in product development, systems engineering, and program management across semiconductor, consumer, lighting, and IoT industries. Currently Director of Systems Engineering, Sensors and IoT in Silicon Valley, he combines real-world insights with five years as an Adjunct Professor and industry mentor. Rudi champions collaborative learning, community engagement, and effective communication in his Design Thinking & Rapid Prototyping course at Berkeley this summer.

Tuition Information:

Apply by November 30 to lock in the lowest prices of the year. Tuition increases on December 1.

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**: $6,298

Commuter Students:

- **Includes:** lunch, academic course, excursions, programming from 9am to 5:15pm, Monday-Friday
- **Excludes:** lodging, breakfast, dinner, weekend excursions
  - Weekend excursions can be added on for $125 per day
- **Price**: $3,298

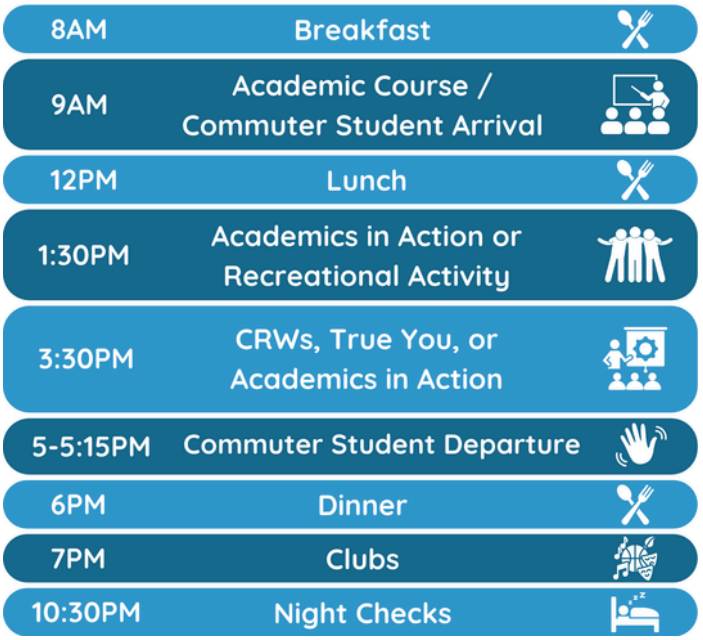
Supplements:

- **Application fee**: Starting at $99 (mandatory, non-refundable)
- **Design Thinking & Rapid Prototyping Course Supplement**: $250.00 (mandatory)
- **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. Afternoons in both weeks are dedicated to students' preferred College Readiness Workshops (CRW), True You, and Academics in Action, with Academics in Action including academic excursions, guest speakers, and course-related activities, such as an instructor-led project or student-led, independent study.

Typical Schedule



Schedule above is a sampler; real schedules may vary based on program and academic track.

More info on Airport Transfer

More info on Unaccompanied Minor Service

Apply Now!

Summer Springboard programs are not run by our campus partners (with the exception of Cal Poly, University of Washington Foster School of Business, and NYSID which are run in partnership with SSB). Universities and their affiliated departments and partners do not control and are not responsible or liable in any manner for any part of the Summer Springboard program.