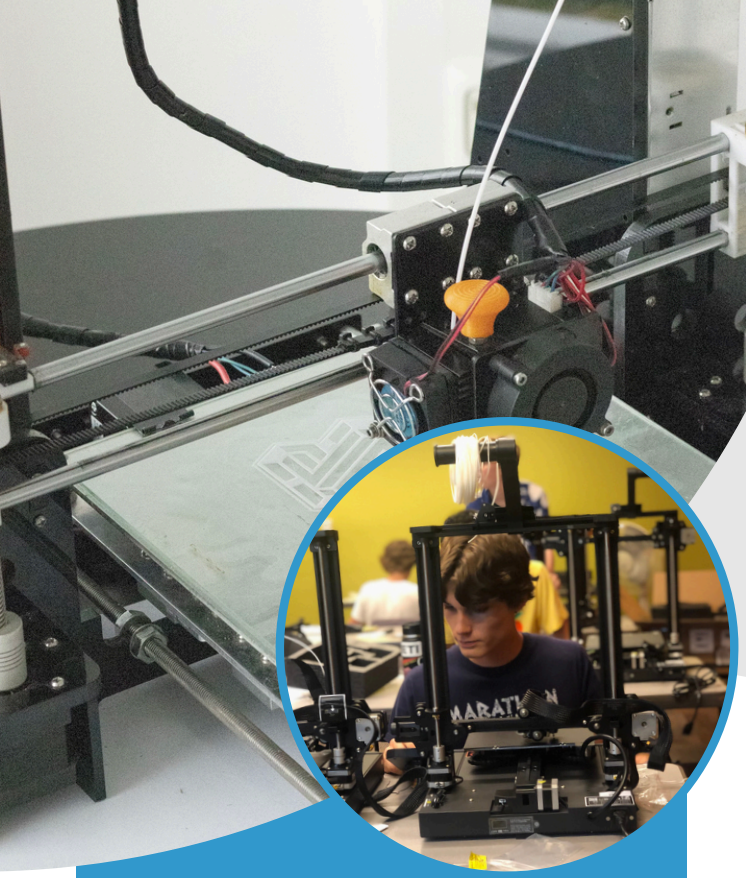

SUMMER SPRINGBOARD
Look Inward. Go Upward.

Design Thinking + Rapid Prototyping Infosheet

New student admissions for Summer 2026 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.

2026 Dates

Berkeley

- Session 2: June 21 - July 3
- Session 4: July 5 - July 17
- Session 6: July 19 - July 31

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 have had the opportunity to visit Makelab, a local rapid prototyping company and Adobe, Inc., a Bay Area software pioneer for creative and digital media.

Instructors

Berkeley - Rudi Hechfellner (Sessions 2 & 6)

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.

Berkeley - Elise Moss (Session 4 only)

Elise Moss has worked for the past thirty years as a mechanical designer in Silicon Valley, primarily creating sheet metal designs. She has taught CAD classes at Santa Clara University, Laney College, DeAnza College, San Francisco State University, Silicon Valley College, and for Autodesk and SolidWorks resellers. She has a BSME from San Jose State University. She is an Autodesk Authorized Instructor and Partner and author of several best-selling Autodesk text books.

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

8AM	Breakfast
9AM	Academic Course / Commuter Student Arrival
12PM	Lunch
1:30PM	Academic Excursions or Recreational Activity
3:30PM	College Readiness Workshop or True You
5PM-6:30PM	Commuter Student Departure
6PM	Dinner
7PM	Clubs
10:30PM	Night Checks

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**: $5,998

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)
- **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.

More info on Airport Transfer

More info on Unaccompanied Minor Service

Apply Now!