SUMMER SPRINGBOARD
Look Inward. Go Upward.

3D CAD Design & Rapid Prototyping Infosheet

New student admissions for Summer 2024 are open.

Program Highlights

- Learn how to design 3D CAD products using Autodesk Fusion360 and then build your own Creality Ender Pro V2 3D printer.
- Gain a deep understanding of the 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.

2024 Dates

Berkeley
- Session 4: July 07 - July 19

Academic Program Overview

Students in the 3D CAD design and fast prototyping course will be using a 3D printer that they build and will take home. This course is designed for students interested in engineering, product design, 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 have the opportunity to visit a local rapid prototyping co-location company and hear from leading professionals in the industry.

Instructors

Rudi Hechfellner

Instructor at Berkeley - Rudi Hechfellner
As a Director of Systems Engineering, Sensors and IoT in Silicon Valley, Rudi will share practical knowledge and real-world insights with students, providing hands-on experience in this evolving field. To learn more, click here.

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
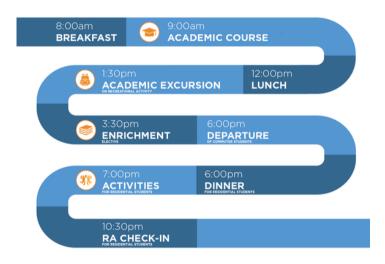 - Weekend excursions can be added on for $125 per day
- Price: $3,198

Supplements:

- Application fee: $99 (mandatory, non-refundable)
- 3D CAD & 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. Wednesday afternoons are dedicated to additional academic time (excursions, speakers).

Typical Schedule

8:00am BREAKFAST
9:00am ACADEMIC COURSE
12:00pm LUNCH
1:30pm ACADEMIC EXCURSION OR RECREATIONAL ACTIVITY
3:30pm ENRICHMENT ELECTIVE
6:00pm DEPARTURE OF COMMUTER STUDENTS
6:00pm DINNER FOR RESIDENTIAL STUDENTS
7:00pm ACTIVITIES FOR RESIDENTIAL STUDENTS
10:30pm RA CHECK-IN FOR RESIDENTIAL STUDENTS

More info on Airport Transfer

More info on Unaccompanied Minor Service

Apply Now!

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