Engineering + Innovation Camps @ CU Denver | CAD + 3D Printing
FAQs

What is CAD + 3D Printing Camp?
CAD & 3D Printing Camp is a 5-day summer camp offered by the CU Denver College of Engineering, Design and Computing where participants will learn to use computer-aided design (CAD) software to model three-dimensional (3D) objects and then print them on 3D printers. Students will design and print their own Star Wars light saber to take home at the end of camp.

Where does the CAD + 3D Printing Camp take place?
All aspects of the CAD + 3D Printing will take place at the CU Denver Auraria Campus, primarily in the North Classroom building, located at 1201 Larimer Street, Denver, CO 80204.

How can I register for CAD + 3D Printing Camp?
CAD + 3D Printing Camp registration information can be found on the College of Engineering, Design and Computing Summer Camps website (engineering.ucdenver.edu/summercamps). Registration opens in February and remains open until June 1, or when the camp is at capacity, whichever comes first. Registration and payment is all done electronically and is linked from the website.

What can I expect for the five days of CAD + 3D Printing Camp?
Participants will learn to model 3D objects in Solidworks software and print their designs on 3D printers. Students will tour a state-of-the art additive manufacturing center that prints 3D parts out of metal powder. Here is a sample itinerary.

What is the profile of students who would enjoy CAD + 3D Printing Camp?
CAD + 3D Printing Camp is a program designed to expose high schoolers to computer-aided design and additive manufacturing (3D printing). Students do no need to have any previous experience with CAD or 3D printing. A good candidate for CAD + 3D Printing Camp is a student who is interested in 3D modeling, computers, or technology in general.

CAD + 3D Printing Camp participants don't have to want to be engineers – as long as a student shows up eager to learn, experience new things, and have fun, they are a great CAD + 3D Printing Camp candidate!

What is the average age/intended audience of CAD + 3D Printing Campers?
CAD + 3D Printing Camp is designed for all high school students, including students who have completed 8th grade by the start of the camp.

What skills will students gain by attending CAD + 3D Printing Camp?
Students will learn to model 3D objects in Solidworks and print on Prusa FDM 3D printers.

What is the cost of CAD + 3D Printing Camp?
CAD + 3D Printing Camp registration is $600. A $300 deposit is required to secure a spot in camp, and the remainder of the camp cost is due by June 1.

Are there scholarships available?

Yes, there are a limited number of need-based scholarships available. Scholarship applicants must:

- write an essay on why they believe they should receive a scholarship for CAD + 3D Printing Camp
- have a teacher/counselor write a recommendation letter on their behalf and submit directly from the recommender to the College of Engineering, Design and Computing via email (engineeringcamps@ucdenver.edu). All letters must be submitted directly from the recommender; any letters sent in by a student or parent/guardian will be disregarded. The scholarship deadline is May 1, and all applicants will hear back no later than May 8.

Is lunch provided?

No, all students will eat lunch at the Tivoli Student Union; available food options are listed here. Students may also bring their lunch. We will provide snacks throughout the day and will strive to have options for everyone. However, we may not be able to accommodate a student with severe food allergies. Students are also welcome to bring their own snacks.

NOTE: Students with peanut allergies are required to carry an EpiPen with them at all times.

What should I wear?

Please plan to wear closed-toe comfortable walking shoes every day of camp.

What do I need to bring?

All activity materials will be provided including computers, software, hardware, and prototyping supplies. Please bring a notebook and writing utensil for notes and activities. Water and beverages will not be allowed inside computer laboratories, but will be allowed in the hallway so feel free to bring a water bottle.

Do I have to attend every day?

Yes - though camp staff understand there are sometimes extenuating circumstances. We group students to work on a design project throughout camp, so it can be detrimental for the teams if students do not show up each day.

All camp scholarship recipients must be able to attend all of camp as a condition of the award. More information on scholarships can be found on the CAD + 3D Printing Camp website.

What if I realize last-minute I am unable to attend?

The deadline to cancel is May 1, in order to receive a refund. And cancellations after this point will not receive a refund.

Is transportation or lodging provided?

No. You are responsible for your own transportation and lodging. Pick-up and drop-off each day will be at the North Classroom building.

Is there parking available?

Yes. The CAD + 3D Printing Camp will be held in the North Classroom building, located near the Tivoli parking garage, with visitor parking available. There are several other lots on the Auraria Campus for visitors as well – see parking map here. However, it is important to note that there is no free parking on campus.

What public transportation is available near CU Denver and the Auraria Campus?

There are two RTD Light Rail stops on the Auraria Campus within approximately ½ mile of the North Classroom building. The Auraria West Station stop is serviced by the RTD Light Rail "E", "C" and "W" line. The Colfax at Auraria Station stop is serviced by the RTD Light Rail "H", "F" and "D" lines. Walking is safe and easy, with a sidewalks leading from the RTD stations up to the North Classroom building. Other options to get to campus are ride sharing services (Lyft and Uber) and cabs.

I can't commute from home each day. Where should I stay?

Our recommended hotel is the Springhill Suites Denver Downtown.

Still have questions? Contact the College of Engineering, Design and Computing at engineeringcamps@ucdenver.edu or 303-315-7170.