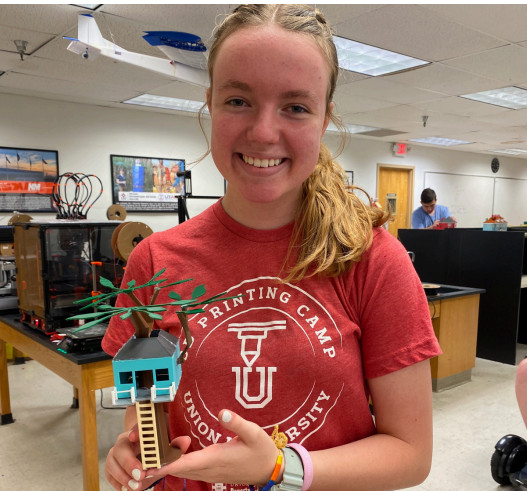


3D Printing Camp



UNION UNIVERSITY
Department of Engineering



2025 DATES

MAY 27 - 30 (A.M.)

MAY 27 - 30 (A.M.)

MAY 27 - 30 (P.M.)

JUNE 2 - 6 (A.M.)

JUNE 2 - 6 (P.M.)

JUNE 9 - 13

JUNE 16 - 20

3D PRINTING CAMP JUNIOR

VEX ROBOTICS CAMP

INTRO TO 3D PRINTING CAMP

INTRO TO 3D PRINTING CAMP

3D PRINTING AND BEYOND CAMP

ENGINEERING DESIGN CAMP (ENGINE)

ENGINEERING DESIGN CAMP (ARCHITECTURE)

REGISTER TODAY AT
UU.EDU/CAMPS/ENGINEERING



3D Printing Camp Junior

Rising 2nd - 4th Graders

\$300*

In this half-day camp designed especially for our youngest "makers," campers will learn how to get started with 3D printing. Campers will learn how to create fun designs and set them up for printing. This is a 4-day camp that will meet in the mornings from 8:00 - 11:30. A parent or another responsible adult (16+) is welcome to attend the camp with the child but is not required to do so.

*The cost includes one child (+one optional adult). Campers have the option to add a 3D Printer: a Bambu A1 Mini for \$200 or a Bambu A1 for \$320.

Intro to 3D Printing Camp

Rising 4th - 8th Graders

\$425* (includes 3D Printer)



In this fun half-day camp campers will learn how to get started in 3D printing. They will learn how a 3D printer works, how to design and print projects, as well as how to troubleshoot and maintain their printer. This camp will be offered twice: May 27-30 from 1:30 - 5:00 p.m. and June 2 - 6 from 8:00 - 11:30.

*The cost includes a 3D printer (Bambu A1 Mini--a \$200 value) for campers to take home at the end of the week. Campers may upgrade to a Bambu A1 with a bigger plate for \$120. The cost for students who do not wish to purchase a printer is \$225.



3D Printing & Beyond Camp

Rising 5th - 8th Graders

\$225*

For campers ready to put their 3D printing skills to the test, this exciting half-day camp is the answer. Combine 3D printing with science, math, art and engineering. Mix in a whole lot of fun, a little bit of competition, and an explosion or two, and this week is sure to be one to remember! Rising 5th and 6th graders should have prior 3D printing experience (for example, Intro Camp or 3DP Fridays). This camp will meet June 2 - 6 in the afternoons from 1:30 - 5:00.

*Campers have the option to add a 3D Printer: a Bambu A1 Mini for \$200 or a Bambu A1 for \$320.

VEX Robotics Camp

Rising 6th - 12th Graders

\$225



This half-day camp is all about building and coding as campers assemble VEX robots and use them to participate in robotics challenges. This camp will meet May 27-30 from 8:00 - 11:30 a.m.

Notice: This camp will focus on robotics, not 3D printing.



Engineering Design Camp: Engine

Rising 6th - 12th Graders

\$450*

In this full-day camp students will design, 3D print, and assemble their own working, air-powered 4-cylinder engine, which they can take home at the end of the week. Throughout the camp students will learn about engineering concepts through fun, hands-on experiences and challenges. The camp runs from 8:00 - 5:00 from June 9-13. Students will enjoy lunch in Union's cafeteria (included in the cost).

*The cost includes lunch. Campers have the option to add a 3D Printer: a Bambu A1 Mini for \$200 or a Bambu A1 for \$320.

Engineering Design Camp: Architecture

Rising 6th - 12th Graders

\$450*



In this full-day camp campers will apply cutting-edge 3D printing technology to architectural design. Students will design, 3D print and assemble their own architectural masterpiece (the Home Alone house) and will spend the week learning concepts of engineering through fun, hands-on experiences. The camp runs from 8:00 - 5:00 from June 16-20. Students will enjoy lunch in Union's cafeteria (included in the cost).

*The cost includes lunch. Campers have the option to add a 3D Printer: a Bambu A1 Mini for \$200 or a Bambu A1 for \$320.

FAQS

Does everyone get his or her own 3D printer?

The cost for the Intro to 3D Printing Camp includes an Bambu A1 Mini printer that you can take home at the end of the week. You may also choose to participate in the camp without purchasing a printer, in which case your student will have a printer to use during camp but will not take it home. The base cost for the Intro camp without the printer is \$225. You may also choose to upgrade to the the Bambu A1 for an additional \$120.

Participants in the other camps may also choose to add a Bambu A1 Mini for \$200 or a Bambu A1 for \$320. All printers will be sold on a first-come, first served basis.

What is the difference between the Bambu A1 Mini and the Bambu A1?

The primary differences are size and cost. The Bambu A1 mini can print something that is 7" x 7" x 7". The Bambu A1 can print something that is 10" x 10" x 10". The A1 mini costs \$200. The A1 costs \$320.

Which camp should I choose?

First, look at the age ranges for the camps and select one that would be appropriate. The Junior Camp is for rising 2nd-4th graders (ages 7-10), the Intro Camp is for rising 4th-8th graders (ages 9-14), the Beyond Camp is for rising 5th-8th graders (ages 10-14), the Engineering Design Camps and the Robotics Camp are for rising 6th-12th graders (ages 11-18).

If you want to learn how to use a 3D printer, we recommend you start with the Intro Camp. If you have completed the Intro Camp and want to learn more how to use 3D printing to solve problems, go to the Beyond Camp. If you are ready to use more sophisticated CAD software to create detailed 3D models, choose one of the Design Camps. Note that we do rotate our Design Camps. We plan to offer the Engine Camp again next year, whereas the Architecture Camp will be rotated off, so if you aren't sure which to attend, you may want to choose the Architecture Camp and do Engine the following year.

Can I come to more than one camp?

Yes! Middle school students may consider doing an Intro Camp to learn the mechanics of the 3D printer followed by an Engineering Design Camp. The Engineering Design Camps do not overlap, so students may consider doing both. Students may also consider doing the Robotics Camp in the morning and the Intro Camp in the afternoon (Week 1) or the Intro Camp in the morning and the Beyond Camp in the afternoon (Week 2).



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FAQS

By when do I have to register?

The earlier, the better! All of our camps are limited by the number of computers and printers we have available, so sign up early to ensure you have a spot. The camps usually do fill up. We will keep registration open until camps are full, but you must register by May 1 to guarantee a T-shirt size and to avoid a \$50 late registration fee.

Where are the camps?

The camps take place at Union University (Jackson Campus). They will be in our brand new building opening March 2025.



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