

The Monthly Scoop

Spotlight on Manufacturing



April 2022

TRINIDAD STATE CONTINUING & COMMUNITY EDUCATION

Basic Machine Shop

Learn to manufacture parts and tools using metalworking lathes and milling machines. Classroom instruction and hands-on experience. No prior experience is required. Week-long courses available in June or July 2022.

Instructor

Logan Schmit is a full-time instructor in the TSC Gunsmithing Program



For complete information including cost and tool/supply list contact donna.haddow@trinidadstate.edu



- A vibrant manufacturing base leads to more research and development, innovation, productivity, exports, and middle-class jobs.
- Manufacturing helps raise living standards more than any other sector.
- Manufacturing generates more economic activity than other sectors.
- Manufacturers in the United States account for 11.39% of the total output in the economy, employing 8.51% of the workforce.
- Total output from manufacturing was \$2,334.60 billion in 2018.

Welding



According to the American Welding Society, welding is the driving force of the modern economy. Most of the people who have great experience in welding and work in a good industry earn \$50,000-\$140,000 in a year.

June 6-10, 2022 - Tig Welding

For complete information contact donna.haddow@trinidadstate.edu

**Welding Technology
Fall and Spring
Degree/Certificate Program
trinidadstate.edu/welding/**



For more information or to register, contact: Donna Haddow-Continuing Education Coordinator

719-846-5724 | donna.haddow@trinidadstate.edu | 600 Prospect Street, Trinidad, CO 81082

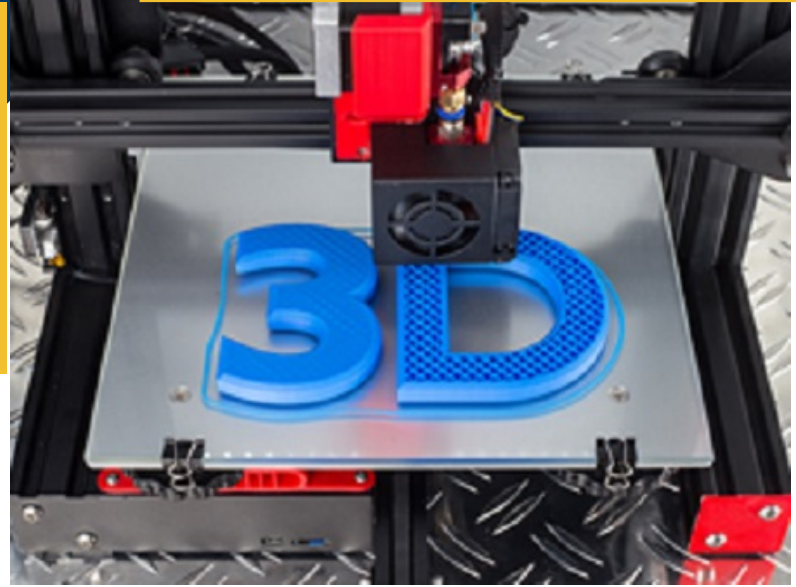


Summer Registration is **OPEN**
visit trinidadstate.edu/schedule
or call an advisor today
Trinidad: 719-846-5026
Alamosa: 719-589-7296

3D Laser Cutting and Engraving

Manufacturing with a 3D laser cutter/engraver is a skill the average person can easily learn. While laser cutters were previously only available as large-scale industrial tools, the demand for small laser cutting machines has increased in recent years.

The Collaboratory at Trinidad State is home to a Glowforge 3D laser cutter/engraver, which is available to the public through a membership to the makerspace or for a user fee for infrequent users.

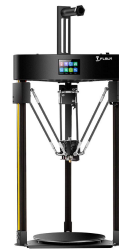


3D Printing

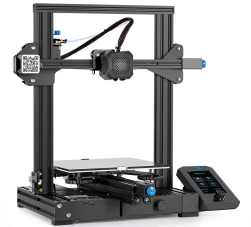
Among the items made with 3D printers are shoe designs, furniture, wax castings for making jewelry, tools, tripods, gift and novelty items, and toys. The automotive and aviation industries use 3D printers to make parts. Artists can create sculptures, and architects can fabricate models of their projects.



Sign made for TSC athletics on the Glowforge 3D cutter/engraver



FLSUN Delta 3D printer



Crealty Ender 3 V2 3D printer

FLSUN Delata and Creality Ender3 3D printers are available for your use by becoming a member of the Collaboratory at Trinidad State makerspace. trinidadstate.edu/collaboratory

APRIL WORKSHOP SCHEDULE



Friday, April 1st 4:00 p.m. to 5:30 p.m. -- Intro to 3D printing
Open studio time from 3:00 p.m. to 7:00 p.m. on April 1st
Visit <https://trinidadstate.edu/collaboratory/> for membership information

Wednesday, April 6th 5:30 p.m. to 7:00 p.m. -- Glowforge Laser Cutter/Engraver
Monday, April 11th 5:30 p.m. to 7:00 p.m. -- Vinyl Cutter
Wednesday, April 13th 5:30 p.m. to 7:00 p.m. -- Sublimation Printer/Heat Press

Each workshop is limited to six people

You must sign up in advance. Please let us know if you cannot make it so your spot can be given to someone on the wait list.

To register, send an email to donna.haddow@trinidadstate.edu



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