

# Pathway: Precision Production Trades – Machine Tool

## Get the Facts:

Machinists use machine tools that are either conventionally controlled or computer numerically controlled, such as lathes, milling machines, and grinders, to produce precision metal parts. Although they may produce large quantities of one part, precision machinists often produce small batches or one-of-a-kind items. The parts that machinists make range from simple bolts of steel or brass to titanium bone screws for orthopedic implants.

## Workforce Trends:

The need for machinists is expected to grow in Utah, creating demand for trained and skilled workers in this field.

Employment of machinists and tool and die makers is projected to grow 6 percent from 2014 to 2024. Workers familiar with computer software applications and who can perform multiple tasks in a machine shop will have the best job opportunities.

## Machine tool is:

- High Demand
- Medium wage
- High Skill

## Occupation Outlook:



## The Utah statewide annual median wage:

<b>Machinist</b>	<b>\$46,150</b>
<b>Tool and die maker</b>	<b>\$56,630</b>

## Sample Career Occupations:

- Machinist
- Machine Tool Cutter/Maker
- Machine Die Cutter/Maker
- Machinery Mechanic

In 2013, 14.2 percent of the people employed as machine tool setters were women.

## College and Career:

There are a number of options for education and training beyond high school, depending on your career goals.

- USU/E – CC Machine Tool Technology
- SLCC – AS Manufacturing Engineering Technology; Certificate of Achievement—Manual Machinist
- SNOW – AAS Machine Tool

Technology (Richfield campus)

- Mountainland Applied Technology College (MATC)/Orem Campus offers a program certificate in Machine Tool Technology. The machine tool program stresses hands-on individualized instruction, through project construction and classroom work.

This program enables students to apply their MATC certificate towards an AAS degree in Technology at Utah Valley University (UVU).

**Although ALA makes every effort to ensure the accuracy of this information, it reserves the right to make changes as may be required. Students should consult the specific college advisement center with further questions.**