Machine Tool Technology (MTT)

PURPOSE: A machinist is a skilled craftsman who is able to convert metal, plastic, and other engineering materials into useful products with great precision. Our lives are affected daily by machinists. Without the technical skills that machinists possess, we could not produce automobiles, aircraft, appliances, machine tools, medical equipment, and many other products. The following is a list of some of the responsibilities that are required of a machinist: produce parts from engineering drawings, make accurate and precise measurements, read and create engineering drawings, set up and operate many different machine tools, and meet the demand of challenging and interesting projects.

### Possible Occupations

- Machinists
- Machine tool operators
- Tool and die makers
- Quality control technicians
- Drilling and boring machine tool setters, operators, and tenders, metal and plastic
- Grinding, lapping, polishing, and buffing machine tool setters, operators, and tenders, metal and plastic
- Lathe and turning machine tool setters, operators, and tenders, metal and plastic
- Milling and planning machine setters, operators, and tenders, metal and plastic
- Metal-refining furnace operators and tenders

### Industry Opportunities

- Small machining shops
- Manufacturing firms that produce durable goods such as metalworking and industrial machinery, aircraft, or motor vehicles
- Industries that use production machinery (maintenance machinists)
- Firms handling fabricated metal products, transportation equipment, industrial machinery and equipment, rubber and plastic products, and primary metals (industrial machine operators)
- Food, drug, and chemical industries, manufacturing plants of all kinds, hospitals, educational institutions, transportation companies, and government agencies (quality control technicians)

### Degrees/Certificates offered at Shelton State:

- Machine Tool Technology – ASSOCIATE IN APPLIED SCIENCE DEGREE and Certificate