Basic Machine Shop (Core Class for Certificate)

This class offers instruction and hands-on experience in machine tool operation. Students will gain experience with the metalworking lathe and milling machine in the manufacture of parts and tools.

Keith Gipson has been a full-time Gunsmithing instructor at TSJC since 1987. Keith is an experienced machinist and gunsmith who specializes in gun repair, metalworking and CNC programming. keith.gipson@trinidadstate.edu
www.trinidadstate.edu
http://nra.trinidadstate.edu
Home Phone (719) 846-7954

Basic Machine Shop Tool List

Required Tools:
#2 center drill
5/16" or 1/4" HSS lathe tool bit blanks
6" dial caliper or 1" micrometer
6" steel rule
60-degree center gauge
Assorted files with handles
Carbide tipped scribe
Emery cloth: 120, 220, 320 and 400 grit
Layout dye
Safety Glasses
Thread pitch gauge

While not required, assorted hand tools can provide a useful addition:
6" or 8" adjustable wrench
Allen wrench set up to 3/8"
Center punch
Gunsmith pin punch set
Hammer
Pliers
Screwdrivers

A list of required tools is also enclosed. Please note that this list is bare minimum. If you have other tools or supplies that may be useful, bring them. You can never have too many tools.
Contact your instructor to make sure your project will fit our facilities and time restraints