

FULL TIME
GUNSMITHING TOOL/
MATERIALS LIST

Students enrolled in the program are required to purchase their own personal hand tools, gun cleaning supplies and consumables. There will be additional tools/materials the student will need to purchase for their classes depending on the firearms and projects.

- Book – Machining Fundamentals by author John R. Walker 11th edition ISBN #978-1-64925-979-0
- Safety Glasses
- Parrot Multi Vise
- Layout Fluid (i.e. Dykem)
- Steel or carbide scribe
- Steel Machinist Protractor- General
- 4- 5/16” square High Speed Steel (HSS) tool bits, 2 ½” long
- 60° Center Gauge
- #3 Center drill
- Quality 6” dial calipers
- 6” steel rule
- Chip brush (cheap paint brush)
- Rags
- File handles
- Cutting oil
- 8-10” Mill files (1 ea. of the following)
 - Bastard
 - Second cut
 - Smooth
- Hacksaw with quality blades, 24-32 Teeth per inch
- 4 oz. ball-pein hammer
- Assorted flat blade screwdrivers (fixed blade, not magnetic tip style)
- 10” adjustable wrench (crescent, etc.)
- Allen wrenches, standard and metric
- A tool box to secure your personal belongings- must be bench top, not roll-away type
- padlock for securing bench
- Note taking materials, i.e. notebooks, paper, pens, etc.
- Optional: Shop coat or apron
- Files
 - Three corner
 - 3/16” chainsaw
 - 5/16” chainsaw
 - Needle file set
- File card
- Stones, ½”x ½”x 6 inch length
 - Coarse
 - Medium
 - Fine
 - Extra fine

- Dial indicator, 0-1" w/ magnetic base
- Cleaning supplies for firearms
 - Rods
 - Brushes
 - Jags
 - Patches
 - Solvents
- Pin punch set (good quality and extra 1/16")
- Depth micrometer, 0-1"
- Various pliers, i.e. needle nose, locking, etc.
- Sandpaper (min. 5 sheets ea.)
 - 150 grit
 - 220 grit
 - 320 grit
 - 400 grit
- Steel wool, '0000'
- Aluminum oxide general purpose shop rolls 1" wide 220 and 320 grit
- Acetone
- Simple Green w/spray bottle
- Breakfree gun oil
- Toothpicks
- Scope bases for one of your bolt action rifles
- Scope rings for above bases
- Inexpensive scope
- 2 sets open sights, one dovetail, one screw down (wait for class to start)
- Q-tips
- High and medium strength thread locker
- Dust Masks
- Dremel or Foredom tool with accessories
- Masking tape
- Welding Helmet w/#10 lens - Tig
- #5 welding goggles
- Thin leather welding gloves (i.e. TIG gloves)
- Stainless Steel wire brush, small
- 1/16" 2% Thoriated Tungsten welding Electrodes (red ends)
- Quality drill index, including Numbered, Fractional and Lettered sets
- Edge Finder
- End Mills, center-cutting HSS
 - 1/4"
 - 3/8"
 - 1/2"
- Tap sets, including the following:
 - Standard up to 1/2"
 - Set that includes 6-48, 8-40 threads, similar to 'Brownells #2 Tap Set'

- Tap Fluid
- Tap Handle (may be included in set)
- Propane Torch
- Tooth brushes
- Small Baking Pans to hold parts
- C clamps
 - 3", 2 ea.
 - 5", 2 ea.
- Tape Measure
- Cross test level
- Mallet, 10-12 oz. non marring
- Scissors
- Flashlight, small
- Latex/disposable gloves
- One set straight wall (pistol) reloading dies (wait for class to start)
- One set bottle neck (rifle) reloading dies (wait for class to start)
- Shell holders for above dies
- Reloading components for chosen cartridges (wait for class to start)
- Short barrel liner drill
- Stock inletting tools (wait for class to start)
- Recoil pads

This is by no means a complete list of tools and/or materials that you will need, there is no way for us to know what projects you will want to do or what tools you will break.

**First year students are required to provide the following steel for Machine Shop classes, it can be purchased from any steel supplier or can be purchased from a local supplier that will deliver directly to the gunshop once the semester begins. This is not a complete list of materials you will need.

- Cold Rolled Round Stock, 6 foot lengths ea.- 1/4", 3/8", 1/2", 3/4" diameters
- Cold Rolled Round Stock, 10 foot length- 1" and 1 1/4" diameter
- Flat Bar Stock, 24 inch length- 1"x2" and 24 inch length of 1/2"x 1 1/2"
- Aluminum bar stock, 7 inch length- 1 1/4"x 3"
- Drill 1/2 and 1/4 inch X 36"

RESOURCES

Brownells	800-741-0015	www.brownells.com
MSC	800-645-7270	www.mscdirect.com
Modoc Steel	530-233-2655	(local steel supplier)