



## Program Requirements

- **Books/Software:** Visit [pine.edu/campus-store](http://pine.edu/campus-store) for details.
- **Laptop:** Premium version required. Visit [pine.edu/supplies](http://pine.edu/supplies) for required specifications.
- **Tools:** See details below.
- **Uniform:** Shop apron required.

## Tool/Supply Requirements

It is recommended to have these tools at the start of the gunsmithing program. Some tools on the list above may also appear on the Advanced Manufacturing and Welding Technology tool Lists; compare them, and do not purchase duplicates.

Quantity	Description	Supplier	MFG	Part #
1	Universal Gun Cleaning Kit	Various		
1	Tool Box, 8 or 11 Drawer <i>Kennedy machinist style or similar, no deeper than 12"</i>	Various		
1	Shop Apron	Campus Store		
Multiple	Safety Glasses/Safety Goggles <i>A couple pairs are nice to have on hand, they will be worn most of the day.</i>	Various		
1	Screwdriver Set <i>Any one of these are fine</i>	Various	Weaver	89 piece
			Wheeler	88 piece
			Brownells	Magna-Tip
			Real Avid	Smart Drive
			Callahan	123 piece
	Screwdriver, 12-inch	Brownells	Forster 6 X-L	
	Drive Pin Punch Set	Various	Starrett	S565
	Roll Pin Punch Set	Various		
	Bench Block	Brownells		080-000-492
	Soft Vise Jaws	Brownells or MSC		080-827-000 or 09208182
	0-6" Dial Caliper	Various		
	12" Adjustable Wrench	Various		
1	8" Mill Bastard Cut File	MSC	Nicholson	80755218
1	12" Lathe File	MSC	Nicholson	80765027
	Wilton fiber face soft vice jaw pads	MSC		
1	Triangular 60° safe edge file, #1 medium	Brownells		080648160



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Quantity	Description	Supplier	MFG	Part #
	900 Fourth Street SE • Pine City, MN 55063			
1	American Pattern File Set (can replace above 2 files)	MSC	Nicholson	22030HNN
1	Diamond needle File Set	Various		
1	22 piece L-Key Hex Key Kit	MSC	Eklind	88350210
1	Torx wrench set	Various		
1	Feeler Gauge Set	Various		
1	4 oz. Ball Peen Hammer	Various		
1	18-24 oz. Dead Blow Hammer	Various		
1	American Screw Pitch Gauge	Various		
1	Metric Screw Pitch Gauge	Various		
1	Dykem Layout Fluid	MSC	ITW	00264044
1	Dykem Layout Fluid Remover	MSC	ITW	82038
1	6" Flexible Ruler	MSC	various	
1	Scribe	MSC	General	76498898
1	India Stone Combination	MSC	Norton	05139605
1	½" x ½" x6" India Stone, Medium	Brownells	Norton	657-246-146
1	½" x ½" x6" India Stone, Fine	Brownells	Norton	657-246-246
1	Magnetic Parts Tray	Various		
1	6" Pliers	Various		
1	6" Needle Nose Pliers	Various		
1	6" Vise Grip Type Pliers	Various		
1	Deep well socket set	Various		
1	Socket extension set	Various		
1	Brush & Dust Pan	Various		
3	1" Paint Brush	Various		

## Tools for Courses that Incorporate Machining

(Machine Fundamentals, Gunsmith Machining, Barreling and Chambering, Riflesmithing, Shotgunsmithing, Pistolsmithing, Gunsmith Capstone)

Quantity	Description	Supplier	MFG	Part #
10	3/8" HSS Lathe Blanks	MSC	Various	02603249
2	⅜" Brazed Turning Tool (right hand)	MSC		72660400
1 ea.	⅛", ¼", ⅜", ½", ¾" End Mills	MSC	Various	



**Tools for Courses that Incorporate Machining, continued.**

Quantity	Description	Supplier	MFG	Part #
1	115 Machinist drill bit set	Various		
1	#1-5 Center Drill Set	MSC	Various	
1	0-3" Outside Micrometer Set	MSC	Various	
1	0-3" Depth Micrometer Set	MSC	Starrett	1/8" rod size
1	#2 File Handle	Various	Lutz	
2	#3 File Handle	Various	Lutz	
1	Edge Finder	MSC	SPI	03293420
1	Rotor Burr	MSC	Shaviv	05751003
1	Steel Protractor	MSC		06475198
1	Mighty Mag	MSC		06580450
1	1" Travel Indicator	MSC	Various	
1	Test Indicator with 0.0005 graduation	MSC	Various	
1	Dial Indicator stand with magnetic base	Various		
1	Center Gauge 60 Degree	MSC	Various	
1	Center Gauge 55 Degree	MSC	Various	
1	12" Combination Square Set	MSC	Various	
1	Spray Bottle 16-32 oz.	Various		
1	Thread Wires 48-3 TPI	MSC	Various	
1	Set of Thin Parallel Bars	MSC	Various	
1	1 small bottle of cutting fluid	Tap Magic	Various	
1	0-½ inch T handle tap handle wrench		Various	
1	3-56 Tap	Various		
1	6-48 Tap	Various		
1	Spring loaded tap guide	Various		
1	25 Piece radius gauge set	Various		
1	½ inch thread and grooving tool ID/OD	Mesa Tool		
1	Boring Bar, ½ inch Min Bore Diameter	Various		





# Pine Technical & Community College GSTP 1230 Gunsmith Welding and Metallurgy

Quantity	Description	Supplier	MFG	Part #
1	#5 Lens Goggles	Oxygen Supply Co		g-200 #5
1	Tip Cleaner	Oxygen Supply Co		STD
1	Work Gloves	Oxygen Supply Co		5B
1	Striker	Oxygen Supply Co		3001
1	Full Face Shield Welding Helmet	Auto-darkening	Various	
1	Welding Gloves	Various		
1	Safety toe footwear	Various		
1	Welding pliers	Various		
1	Welding jacket			

## GSTP 2267 Stockmaking

Quantity	Description	Supplier	MFG	Part #
1	1 Piece Stock Blank (walnut or laminate)	Various		
1	2 Piece Stock Blank (walnut or laminate) (Note: a 1 piece blank can be cut for 2 piece)	Various		
1	6" Round Bastard Cut File	Various		
1	4" Round Bastard Cut File	Various		
1	10" Half-Round Bastard Cut File	Various		
1	10" Round Bastard Cut File	Various		
4	File Handles	Various		
1	Wood Chisel Set	Various		
1	Wood Carving kit	Various		
1	Cabinet or Ferrier Rasp	Various		
1	Inletting Black or Gold	Various		
1	China Marker	Various		
1	Recoil pads (1 required for each stock)	Various		
	Stock stain (may or may not be necessary)			
	Stock sealer (i.e. Permalyn, minwax, etc)			
	Stock finisher (i.e. Permalyn finisher, Danish oil, Pro-custom, Tru-Oil) (no linseed oil)			



## GSTP 2233 Firearm Finishes

Quantity	Description	Supplier	MFG	Part #
1	Multiple sheets of metalworking sandpaper 120-600 grit			
1	Spray on firearm finish of student choice, as well as reducer and degreaser/stripper			
1	pattern or template for spray on finish			
1 ea.	hydro dipping base coat, film, and activator			
1	clear coat for hydro dipping			
1	Painting respirator			
1	blue painter tape/masking tape			

### Additional Items Recommended (not required)

- Cold Bluing solution
- Additional sandpaper for metal and wood
- Cotton tip applicators (Q-Tips)
- 0000 Steel wool
- Scotchbrite pads
- Brownells Acraglas gel
- Acetone and acetone bottle dispenser with safety placard info
- Trigger pull gauge
- Box of nitrile gloves
- Brownells Hi-Force 44 solder and Comet Flux
- Propane torch
- Cordless drill
- 1-gallon shop vac
- NRA Assembly Guide Books: Centerfire and Rimfire Rifles; Shotguns; Pistols and Revolvers
- Brownell's Encyclopedia
- Gunsmithing (Dunlap, R) ISBN: 978-0-8117-0770-1
- Gun Digest Exploded Gun Drawings (Murtz, H) ISBN: 0-89689-141-0
- Jack First Catalog Set
- The Gunsmith Machinist, book one and two (Acker, S)
- Machinery's Handbook, Industrial Press Publishing
- The Complete Metal Finishing Book
- Rolling Tool Cabinet, no larger than 32" (check with instructor for storage before bringing)
- ½" Brazed Turning Tool
- Brazed 60° Included Angle Threading Tool
- Drill Point Gauge
- 24 oz. Ball Peen Hammer
- 6 pc. Telescoping Gauge Set
- Tap/Drill Set, incl. ¼-20 through ½-13 (case)



## Additional Items Recommended (not required), continued:

- Brownells Tap and Drill Kit #2
- Screw Thread Micrometer 1-2
- Tin Coated End Mill Set • Pine City, MN 55063
- Screw extractor and drill set
- Firing Pin Protrusion Gauge
- Hex Key Screwdriver Extensions
- Small box Wrench kit

## Preferred Vendors

This is not an exclusive list of suppliers, manufacturers, or part numbers, these are parts and vendors that we have relationships with. Also check online; Amazon, eBay, Google, and local second-hand stores or pawn shops. Check for student discounts and compare products. Part numbers and suppliers subject to change at any time.

Brownell's	1-800-741-0085	<a href="http://www.brownells.com">www.brownells.com</a>
Jack First	1-605-343-9544	<a href="http://www.jack-first-gun-parts.myshopify.com">www.jack-first-gun-parts.myshopify.com</a>
MidwayUSA	1-800-243-3220	<a href="http://www.midwayusa.com">www.midwayusa.com</a>
MSC Industrial Direct	1-800-645-7270	<a href="http://www.mscdirect.com">www.mscdirect.com</a>
Oxygen Service Co	1-800-774-1336	<a href="http://www.oxygenservicecompany.com">www.oxygenservicecompany.com</a>
Wood Workers Supply	1-800-645-9292	<a href="http://www.woodworker.com">www.woodworker.com</a>
Track of the Wolf	1-763-633-2500	<a href="http://www.trackofthewolf.com">www.trackofthewolf.com</a>
Fastenal	1-877-507-7555	<a href="http://www.fastenal.com">www.fastenal.com</a>

## Notes

**Riflesmithing and Barreling and Chambering.** Students are required to provide a bolt action rifle that will be re-barreled and customized, 1 firearm can be used for both classes as well as

**Stockmaking and Refinishing.** Additional parts and accessories will also need to be purchased at time of these classes. See course instructor or syllabus for current lists and details.

**Shotgunsmithing.** Students are required to provide a shotgun that will be modified and customized, the firearm can be used for stockmaking and refinishing. Additional parts and accessories will also need to be purchased at time of these classes. See course instructor or syllabus for current lists and details.

**Pistolsmithing.** Students are required to provide a 1911 style pistol that will be modified and customized. This pistol can also be used for refinishing and handgun classes. Additional parts and accessories will also need to be purchased at time of these classes. See course instructor or syllabus for current lists and details.

**Gunsmithing Capstone.** Students are required to provide a firearm of their choice, with instructor permission, to be used in a customization or restoration project. Examples of capstone course firearms may include, but are not limited to, custom rifle, shotgun, handgun, double rifle, or muzzleloader build or a complete restoration of a firearm.





## Pine Technical & Community College

Some tools and supplies may be available for purchase at the campus store. If you have financial aid funds available, you may use financial aid for these items, provided the purchases are made through the campus store.

If your program requires a specific laptop, you may also use financial aid to purchase it through the campus store. However, laptops do not need to be purchased through the campus store—you may choose to buy from another retailer. If purchasing a laptop elsewhere, it is the student's responsibility to carefully review the required specifications for their specific program to ensure compatibility.

For questions about using financial aid in the campus store, please contact the bookstore staff or your Student Success Advisor.

### **Disclaimer:**

This tool and supply list is accurate as of the date of printing. However, items and requirements are subject to change without prior notice. For the most up-to-date information, please contact the program faculty directly.

Last date reviewed: April 2025