

GUNSMITHING TECHNOLOGY TOOL LIST

RIFLESMITHING AND BARRELING AND CHAMBERING COURSES REQUIRE THE STUDENT TO PROVIDE A BOLT ACTION RIFLE THAT WILL BE REBARRELED 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 REQUIRES THE STUDENT 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 REQUIRES 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.

THE GUNSMITHING CAPSTONE COURSE WILL REQUIRE A FIREARM OF THE STUDENTS 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.

SUPPLIERS

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	www.brownells.com
Jack First	1-605-343-9544	www.jack-first-gun-parts.myshopify.com
MidwayUSA	1-800-243-3220	www.midwayusa.com
MSC Industrial Direct	1-800-645-7270	www.mscdirect.com
Oxygen Service Co	1-800-774-1336	www.oxygenservicecompany.com
Wood Workers Supply	1-800-645-9292	www.woodworker.com
Track of the Wolf	1-763-633-2500	www.trackofthewolf.com
Fastenal	1-877-507-7555	www.fastenal.com

REQUIRED BOOKS:

GUN DIGEST SERIES:	AUTHOR	ISBN#
SHOTGUNS ASSEMBLY/DISASSEMBLY	MURAMATSU, K	ISBN 978-1440230714
CENTERFIRE RIFLES ASSEMBLY/DISASSEMBLY	MURAMATSU, K	ISBN 978-1440235443
RIMFIRE RIFLES ASSEMBLY/DISASSEMBLY	MURAMATSU, K	ISBN 978-1440245848
AUTOMATIC PISTOLS ASSEMBLY/DISASSEMBLY	MURAMATSU, K	ISBN978-1440245008
REVOLVERS ASSEMBLY/DISASSEMBLY	MURAMATSU, K	ISBN 978-1946267498

VSP/A SHOP MANUAL SERIES:

THE MAUSER M91-M98 BOLT ACTIONS	KUHNHAUSEN, J	ISBN 978-9993964001
THE COLT 45 AUTOMATIC	KUHNHAUSEN, J	ASIN# B010VXI7BY
THE REMINGTON M870-M1100/M11-87 SHOTGUUNS	KUHNHAUSEN, J	ASIN#B001TNY9QS
THE S&W REVOLVER	KUHNHAUSEN, J	ASIN# B00QSFM5VI
THE RUGER SINGLE ACTION REVOLVER	KUHNHAUSEN, J	ASIN# B000KMTGDA
THE COLT DOUBLE ACTION REVOLVERS	KUHNHAUSEN, J	ASIN# B000IXMGDS

GUNSMITH WELDING AND METALLURGY BOOKS:

HOW TO WELD METALLURGY FUNDAMENTALS 6 TH EDITION	TODD BRIDIGUM ISBN-13: 978-0-7603-3174-3 DANIEL A BRANDT ISBN: 978-1-63563-874-5
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RIFLESMITHING AND BARRELING AND CHAMBERING BOOKS

CHAMBERING RIFLES FOR ACCURACY BY FRED ZEGLIN & GORDY GRITTERS ISBN 9780983159858
AVAILABLE AT WWW.4DRENTALS.COM

GUNSMITH TOOLS, CUTTERS & GAUGES BY FRED ZEGLIN ISBN 9780983159865 AVAILABLE AT
WWW.4DRENTALS.COM

UNDERSTANDING HEADSPACE BY FRED ZEGLIN ISBN 9780983159841 AVAILABLE AT
WWW.4DRENTALS.COM

THE ACCURATE MUZZLE BRAKE BOOK BY TROY NEWLON AVAILABLE AT
WWW.NEWLONPRECISION.COM

For Design & Function classes, disassembly and assembly manuals are what are required

Some tools on the Master List may also appear on the Advanced Manufacturing and Welding Tool Lists; compare them, and do not purchase duplicates

MASTER TOOL LIST Applicable to all Gunsmithing GSTP and most machine MTP courses

IT IS RECOMMENDED TO HAVE THESE TOOLS AT THE START OF THE GUNSMITHING PROGRAM

QTY	DESCRIPTION	SUPPLIER	MFG	PART #
1	Laptop Personal Computer - Recommend HP ZBook 14u Performance - Intel Core i7-8565U, 32GB RAM, 1TB SSD, Windows 10 64 (Available in Campus Store) or Equivalent			
1	Universal Gun Cleaning Kit	Various		
1	Tool Box, 8 or 11 Drawer (Kennedy machinist style or similar, no deeper than 12")	Various		
1	Shop Apron	Available in campus store		
1	Safety Glasses/Safety Goggles (a couple pair is nice to have on hand, they will be worn most of the day)	Various		
1	Screwdriver Set (Any one of these are fine)	Various	Weaver Wheeler Brownells Real Avid Callahan	89 PIECE 88 PIECE Magna-Tip Smart Drive 123 PIECE
1	Screwdriver, 12 inch	Brownells	Forster 6 X-L	
1	Drive Pin Punch Set	Various	Starrett	S565
1	Roll Pin Punch Set	Various		
1	Bench Block	Brownells		080-000-492
1	Soft Vise Jaws	Brownells or MSC	080-827-000 or 09208182	
1	0-6" Dial Caliper	Various		
1	12" Adjustable Wrench	Various		
1	8" Mill Bastard Cut File	MSC	Nicholson	80755218
1	12" Lathe File	MSC	Nicholson	80765027
1	American Pattern File Set (can replace above 2 files)		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)

QTY	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	
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		

TOOL LISTS by CLASS

GSTP 1230 Gunsmith Welding and Metallurgy

QTY	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		

Stockmaking Course

QTY	DESCRIPTION	SUPPLIER	MFG	PART #
1	1 Piece Stock Blank (walnut or laminate)	Various		
1	2 Piece Stock Blank (walnut or laminate)	Various		a 1 piece blank can be cut for 2 piece
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		
2	Recoil pads (1 required for each stock)	Various		

FIREARM FINISHES

QTY	DESCRIPTION	SUPPLIER	MFG	PART#
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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)

Brownells Tap and Drill Kit #2

Screw Thread Micrometer 1"-2"

Tin Coated End Mill Set

Screw extractor and drill set

Firing Pin Protrusion Gauge

Hex Key Screwdriver Extensions

Small box Wrench kit