

Gunsmithing Handbook

Admissions to Gunsmithing

Students must first apply to Piedmont Community College at www.piedmontcc.edu

Next a student must be eligible to possess a firearm in North Carolina and maintain that eligibility throughout enrollment in the program.

Before admissions to the Gunsmithing program, the prospective student must provide acceptable documentation showing they meet at least one of the following:

- 1) Possess any current, valid State-issued permit to purchase a firearm;
- 2) Possess a current, valid State-issued concealed carry permit from North Carolina;
- 3) Possess a current, valid State-issued concealed carry permit from a state with a reciprocal concealed carry agreement with North Carolina;
- 4) Have proof of an exemption from permit requirements pursuant to G.S. 14-415.25; or
- 5) A background check from an approved agency to determine eligibility to possess a firearm in North Carolina.

****any costs associated with any of this documentation is the responsibility of the applicant***

***** documentation must be reviewed and approved by one of the full time gunsmithing instructors before a student can be registered.***

Firearms and Ammunition

Generally, it is unlawful for any individual to knowingly possess a firearm within a school zone. A school zone is defined as being within a distance of 1,000 feet from the grounds of a public, parochial, or private school. (See ATF P 5310.1)

<https://www.atf.gov/firearms/docs/guide/gun-free-school-zone-notice-atf-p-53101/download>

While the Gunsmithing program is exempt, all firearms are restricted to I building, the parking lot and the firing range. Upon arrival on the campus, Gunsmithing students must transport their firearms and ammunition in cases to I building. Firearms and

ammunition are not to be removed from cases until arrival in I building. Any firearms left overnight must be stored in the gun room and tagged with student's name.

Live ammo brought into I building is to be immediately placed in the instructor's office and remain under instructor's supervision until needed. No live ammo is permitted at work benches and under no circumstance is live ammo to be in any firearm in the building.

Firing Range

A firing range has been provided for testing of firearms. Gunsmithing students must use the firing range in accordance with the "Firing Range Use Procedure".

The firing range may be used by Continuing Education following the same guidelines and procedures as stated in the "Firing Range Use Procedure".

Tools

Gunsmithing requires a unique set of tools. Purchase of these tools is the responsibility of the students. If PCC orders any tools or supplies for a student, the items can only be ordered by one of our FT instructors with reimbursement expected from the student. See attachment 1 for a complete list.

Technical Standards

To be successful in Gunsmithing, students must first have an interest in craftsmanship with the ability to perform precision work by processing fine motor skills. They must also be able to think critically as a problem solver and possess mechanical aptitude. In addition, students must be able to operate safely in a shop environment and have the necessary skills to operate and control precision work tools including lathes, millers, grinders, etc. Students must also be mentally and emotionally stable as firearms and live ammunition are utilized in the course work. Normal or corrected vision within the range of 20/20-20/80 is needed to perform the precision work.

Attachment 1

Introduction

1. Tool Box
2. 6" steel rule
3. Machinist scribe
4. Hacksaw and extra blades
5. 6" bastard file
6. 6" 2nd cut file
7. 6" smooth mill file
8. Needle file set
9. 8" mill file
10. 10" mill file
11. File card brush
12. Starrett book for student Machinists
13. Class supplies- paper, black Sharpie, pencil

Machine Tool

1. 6" Round file
2. 1" micrometer
3. 6" dial caliper
4. Screw pitch gauge
5. End mill set 3/16 to 3/4
6. Safety Glasses
7. 5/16 blank tool bits
8. Center drill set
9. 115 piece drill bit set
10. Dial Indicator
11. Oxy-Acetylene handbook
12. Class supplies, bolts, screws, (as needed for projects)

Bluing

1. 16 oz. Ball peen Hammer
2. Plastic/brass tip hammer
3. Drive pin punches 1/16 to 5/16
4. Brownells screwdriver set
5. Needle nose pliers
6. Flat nose pliers
7. Rig gun grease
8. 1" foam brushes
9. Hopes #9 solvent
10. Ballistol Oil
11. NRA Firearms Disassembly books
12. Locking Gun cases
13. Firearm cleaning kit or supplies
14. Wet/dry sandpaper (100 grit 600grit)
15. Steel wool 000 and 0000

Stock

1. Wood chisel set
2. Sharpening stones
3. Half round wood rasp
4. 10" half round double cut file
5. Tapered round file
6. 10" cabinet rasp
7. Combination square
8. Checkering set 18 LPI
9. Silver pencil
10. Sandpaper 80-150 grit
11. 2 rifle stock blanks
12. 2 shotgun stock blanks
13. 2 rifle actions
14. 2 barrel blanks
15. 4 recoil pads
16. 2 sling sets
17. 2 low mount rifle safeties
18. 2 scope base sets
19. Wood finishing supplies