

NO RTEC JOB SPECIFIC SKILLS COMPETENCY

GUNSMITH

DOT: 632.281-010 SVP 8

Job Description: Repair and modify firearms to blueprints and customer specifications, using hand tools and machines. *Physical Demands* - Sedentary w/light lifting, carrying or moving (up to 20 lbs); *General Educational Level* - R4 M3 L3; *Aptitudes* - Above average General Learning Ability, Spatial, Form Perception, Finger Dexterity, and Manual Dexterity.

CORE SKILL COMPETENCIES/INDICATORS:

1. Can demonstrate understanding of the laws and regulations governing firearms and businesses. (IN, S)
2. Can demonstrate ability to read and interpret blueprints and specifications. (S, T)
3. Can demonstrate ability to identify and appropriately utilize industry-specific handtools such as hammers, punches, screwdrivers, wrenches, and gauges. (R, S, T)
4. Can demonstrate ability to identify and appropriately operate industry-specific machine tools such as lathes, milling machines, grinders, planers, electric buffing machines, boring machines, and broaching machines. (R, S, T)
5. Can demonstrate ability to identify and appropriately utilize basic welding equipment, processes/techniques as they apply to the making or modifying of gun parts. (R, S, T)
6. Can demonstrate ability to disassemble, clean, and inspect gun mechanisms. (R, IN, S, T)
7. Can demonstrate ability to accurately diagnose firearm malfunctions and determine best methods of repair. (IN, S, T)
8. Can demonstrate proper techniques used to fit action and barrel into stock and align parts. (R, S, T)
9. Can demonstrate proper techniques used to install and align gun parts such as metallic or optical sights, pistol grips, recoil pads, and decorative pieces of firearms. (R, S, T)
10. Can demonstrate proper techniques used to enlarge caliber of bore of firearms. (R, S, T)
11. Can demonstrate proper techniques used to cut rifling in barrel of small arms. (R, S, T)
12. Can demonstrate proper techniques used to install choke devices on shotguns to control shot patterns. (R, S, T)
13. Can demonstrate proper techniques used to grind and polish metal parts of firearms. (R, S, T)
14. Can demonstrate proper procedure for immersing metal parts in bluing salt bath to rust-proof surface and impart blue color to metal. (R, S, T)
15. Can demonstrate product inspection abilities by firing firearm with proof loads to determine strength characteristics, correct alignment, and assembly of piece. (IN, S, T)
16. Can demonstrate ability to refinish wooden stocks for rifles and shotguns by hand sanding and rubbing with finishing oil and lacquer. (S, T)
17. Can demonstrate proficiency in custom finish techniques for alloy guns. (S, T)
18. Can demonstrate ability to correctly design and fabricate tools, testing equipment, and parts for guns according to blueprint or customer specifications, using handtools and machines. (R, IN, S, T)
19. Can demonstrate ability to develop plans and calculate details - such as bullet-flight arcs, projectile velocity and sight positions - to design a new gun. (R, IN, S, T)
20. Can demonstrate proficiency in firearm engraving techniques. (S, T)
21. Can demonstrate basic computer skills for the purposes of keeping inventory records and tracking work via computer, etc. (R, IN, S, T)

22. **Can demonstrate ability to work independently, prioritize, and complete assignments/responsibilities. (R, IN, S)**
23. **Can demonstrate ability to work with precision as regards the attainment of set limits, tolerances, or standards. (IN, S, T)**
24. **Can demonstrate good oral communication and customer relations skills. (IN)**