**LCSC Welding Technology Tool List**

1. 2 each: Crescent wrenches; one 10” one 12”
2. Pipe wrap-around
3. Hand wire brush
4. Stainless wire brush for GTAW (small toothbrush size)
5. 1 pair of Welding gloves
6. 1 pair of light-duty leather gloves for handling steel and clean-up
7. Welding and cutting goggles with shade 4 or 5 lens
8. Measuring tape: 16 foot
9. Vise-grips: Model # 7WR or 10WR, your choice
10. Mig Pliers or Welpers for GMAW welding.
11. Sidecutters/Lineman’s pliers for cutting filler rod up to 1/8” thick. Irwin Vise-Grip 9.5” Linemens pliers from Norco work well for $20.
12. Scribe with carbide tip
13. Leather jacket or sleeves
14. Leather boots
15. Chipping hammer
16. Welding helmet; Either adjustable shade electronic helmet or standard helmet with shaded lenses 9-12.
17. 5 extra clear cover lenses to fit your welding helmet
18. Striker and several extra flints
19. Torch tip cleaners
20. Safety glasses: 2 pair
21. Calculator with trig functions
22. Corded Grinder/Sander 4.5” of 5” size. Metabo, DeWalt, Milwaukee, Makita. Paddle or trigger-type switch preferred.
23. 4 each: 4.5” Flap wheels, 2ea- 60grit and 2ea-80 grit to fit your grinder.
24. Wire wheel for your grinder. Either cupped or straight wire, rpm rated for your grinder.
25. 12” combination square
26. Lock for locker
27. Fillet weld gauge set
28. 2 each: 11R Vise-Grip clamps
29. Small Chisel
30. Center-punch (small)
31. Flashlight-Streamlight Stylus Pro. Phone flashlight not acceptable.

**See your instructors before purchasing helmets and grinders**. Cheap grinders and helmets will make completing welds more difficult and cost you time. Cheap hand tools are also a detriment. Decent quality tools will make your job easier. Purchase name-brand helmets, grinders, and tools that will last you many years.