

Refrigeration and Air Conditioning Service

Required tools for students

Fall term:

1. Safety Glasses. You will not be permitted to take Lab without these.
2. Portable tool box with lock and permanent name label approximately (20" x 9"x 8")
3. Flare nut wrench set, SAE (inch)
4. Adjustable wrench (Crescent) 8" and 10"
5. Multi bit screwdriver
6. Ball Peen Hammer, 12 ounce
7. Flaring tool set for copper tubing 1/8" through 3/4"
8. Swaging punch set for copper tubing, 1/4" through 5/8" (separate punches or spike type)
9. Tubing cutter 1/8" to 1 1/8" capacity
10. Tubing bender for copper tubing, 1/4" through 3/8"
11. Hacksaw with several blades
12. Refrigeration service wrench (square drive)
13. Allen wrench set, ball end type preferred
14. Tape measure (10' or 12')
15. Lineman's pliers

Spring Term:

1. Digital multimeter with type K thermocouple capability, or separate digital thermometer
2. 2 pipe clamp thermocouples to work with your meter or thermometer
3. Valve stem remover
4. Refrigeration manifold gauge set, with low loss hoses. R134a compatible

Note:

You will be required to remove your toolbox at the end of each semester, so get one suitable for this.