**Welding Postsecondary Tool List**

Please bring the following items:

* ALL PPE
  + Hearing and/or ear protection
  + Welding gloves—full length (gauntlet) for SMAW, GMAW and FCAW
  + Welding gloves — appropriate for GTAW
  + Welding cap/beanie
  + Welding jacket
  + Welding helmet with appropriate filter plate/lens and protective cover lens for tacking and welding; auto darkening filter plate/lens permissible. Spare filter plate and cover lens
  + Cutting goggles—with shade 5 lens/cover lens for OFC/PAC; helmet with shade 5 capability permissible; face shield head gear with shade 5 permissible. Spare filter and cover lens
* Pocket calculator
* Fillet weld gauge—standard set
* Lead pencil and/or ballpoint pen
* Soap stone with or without holder
* Scribe with or without magnet
* Compass
* Protractor
* Combination square set or speed square
* 10-foot (3.1 meters) minimum steel tape measure
* 16-ounce (.45 kilogram) ball peen hammer
* Center punch
* Cold chisel
* 11R or 10-inch (254 millimeters) vise grips
* 6-inch (152 millimeters) side cutting pliers or diagonal cutting pliers
* 6-inch (152 millimeters) needle nose pliers – welpers permissible
* Chipping hammer
* Carbon steel wire brush
* Stainless steel wire brush
* Grinder
* All competitors must create a one-page résumé and submit a hard copy to the technical committee chair at orientation. Failure to do so will result in a 10-point penalty.