

## **Tool List for Industrial Mechanics:**

<b><u>Required Personal Protective Equipment (PPE)</u></b>	<b><u>Estimated Cost</u></b>
• Welding Jacket	\$95.00
○ Flame Retardant material required, Leather is recommended	
• Safety Glasses clear or amber lens with side shield ANSI Z87+	\$2.00
○ Two per semester	
• Safety Toe Work Boots	\$50.00 +
○ Composite or Steel Toe	
• Auto Darkening Welding Hood	\$100.00
+	
○ Extra lenses and batteries	
• Welding Cap/Beanie	\$5.00
• Leather Tig Welding Gloves	\$15.00
• Leather MIG/SMAW Gloves	\$20.00
• Face Shield	\$15.00
○ Clear for grinding, shade 5 for cutting	
• Work Gloves	\$10.00
○ 2 pair per semester	
<b>** PPE items generally need to be replaced, as they wear and become damaged**</b>	

<b><u>Required Hand Tools</u></b>	<b><u>Estimated Cost</u></b>
• Combination Wrenches	\$40.00
○ SAE ¼"-15/16"	
• Socket Set	\$50.00
○ 3/8" Drive	
▪ Ratchet, extensions, and sockets	
• Screwdrivers	\$20.00
○ Phillips head	
○ Regular head	
• Tape Measure	\$5.00
○ 12' +	

• Combination Square	\$10.00
○ “12 “	
• Metal Scribe	\$5.00
• 6” Scale	\$15.00
• Large Wire Brush	\$10.00
• Slag Chipping Hammer	\$15.00
• 24oz Ball Peen Hammer	\$10.00
• Plier Set	\$15.00
○ Channel Locks, Needle Nose/Welder Pliers	
• Torpedo Level	\$10.00
• Flashlight	\$10.00
• Metal Cold Chisel Set	\$5.00
• Inspection Pick Set	\$10.00
• Paint Marker	\$3.00
• Vise Grip	\$10.00
• 4 ½” Hand Grinder	\$30.00
• File Set	\$15.00
○ ½ Round Bastard, Mill Bastard	
• Tungsten	\$30.00
○ 1 pack of 10 Tri-Mix 3/32” diameter	
• Hex Head Key Sets	\$10.00
○ SAE 0.05”-3/8”	

\*\*Students must have all of the above listed equipment before they will be permitted to enter the lab environment\*\*