



Automotive Technology-Certificate

Tools Required First Day of Classes

Estimated Cost: \$1,500-\$4,000

Quantity	Description
Program Required Tools	
1	Rollaway tool cabinet with locking drawers (7drawer minimum). Minimum size 36" long, 19" deep x 42" high with minimum 5" wheels.
1	Clear safety glasses (not goggles)
1	Ear Plugs Corded
4	Uniform Shirts purchased from Campus Book Store
1/4 Drive Set to Include:	
1 set	(10 sockets) 6 point (3/16 through 9/16)
1 set	(10 sockets) deep 6 point (3/16 through 9/16)
1	2" extension
1	6" extension
1	5" ratchet
1	Nut driver handle
1 set	(13 sockets) 6 point metric (5 mm through 14 mm) with 5.5 mm
1 set	(13 sockets) 6 point deep metric (5 mm through 14 mm) with 5.5 mm
1	1/4 universal joint
3/8 Drive Socket Set to Include:	
1 set	6 point sockets (5/16" through 7/8")
1 set	6 point deep sockets (5/16" through 7/8")
1	1" extension
1	3" extension
1	6" extension
1	12" extension
1	Universal joint
1 set	Metric socket set 6 point (9 mm through 19 mm)
1 set	Metric deep sockets 6 point (9 mm through 19 mm)
1	Long flex head ratchet – 12" (approx.)
1/2" Drive Set to Include:	
1 set	6 point metric sockets (12 mm through 24 mm)
1 set	6 point sockets (7/16" through 1 1/8")
1	3" extension
1	10" or 12" extension
1	10" ratchet

- 1 Flex handle breaker bar 18" (approx.)

Wrench Sets:

- 1 set Combination long metric wrench set (6 mm through 24 mm)
- 1 set Combination long wrench set (1/4 through 1 1/8")

Chisel and Punch Sets:

- 1 **Minimum** 10 Piece Set including 3 Cold Chisels, 3 Pin Punches, 1 Center Punch, and 3 Taper Punches

Combination Screw Driver Set:

- 1 set Standard tip – 1/4" stubby, through 3/8" x 8" (5 piece set)
- 1 set Phillips tip - #1, #2, #3, and #2 stubby (4 piece set)

Hammers:

- 1 Ball peen hammer 48 oz
- 1 Ball peen hammer 24 oz

Pliers:

- 1 12" channel lock
- 1 7" diagonal cutters
- 1 6" or 8" long (needle) nose pliers
- 1 7" slip joint pliers
- 1 Wire stripping pliers with crimper
- 1 "Vise Grip" brand locking pliers 5" model 5WR (no subs)
- 1 "Vise Grip" brand locking pliers 10" model 10WR (no subs)

Miscellaneous Tools:

- 1 18" and 36" pry bar with plastic handle
- 1 12 volt test light with insulated clip (6' leads) no LED lights
- 1 Torque wrench 1/2 dr. 200 ft lb. **Minimum** (click type)*
- 1 Brake hold down spring tool
- 1 Brake adjuster tool
- 1 Brake return spring tool
- 1 Brake return spring pliers
- 1 Digital calipers 0 to 6"
- 1 3/8" drive std. hex bits (8 pieces) 1/8" – 3/8"
- 1 3/8" drive metric hex bits (7 pieces) 4mm-10mm
- 1 Mini Mag light
- 2 1/4" NPT Male Air Couplers w/Male threads -Type D

Supplies required for the Related Welding Course:

- 1 Welding helmet with #10 lens. Fixed or lift front. Can be auto darkening. Extra lenses. No sharing of welding hoods.
- 1 Welding cap
- 1 Welding cutting goggles with #5 lens. Green-2"x4 1/4" fixed front or auto welding hood that goes to a shade 4 or 5 lens for cutting.
- 1 Clear safety glasses

- 1 Ear plugs
- 1 Standard pliers
- 1 Mig welding or needle nose pliers
- 1 Shielded metal arc leather and Gas metal arc leather welding gloves
- 1 Chipping hammer
- 1 Carbon steel wire brush
- 1 Economy 4 1/2" grinder with two 1/4" grinding wheels and 1 wire wheel attachment. You can purchase an inexpensive grinder for under \$20 if you currently don't own one.
- 1 Pocket flashlight
- 1 Bucket or bag to haul supplies in. No lockers available in welding lab area.

PPE required for Related Welding Course:

- 1 100% cotton long sleeve work shirt. To be worn under your flame-resistant jacket. NO HOODIES
- 1 Flame resistant jacket 100% cotton
- 1 Fitted jeans with no holes or frays
- 1 Leather work boots can be steel toed. No sneakers

Request tool vendor to deliver tools to Northeast Community College by August 18, 2025, first day of classes.