

# JOHN DEERE CONSTRUCTION & FORESTRY EQUIPMENT TECH

## REQUIRED BASIC TOOL LIST

Note: A tool storage cart and a limited tool set is provided by the College during 1st semester. Refer to the list of **\*\*tools to bring at the beginning of 1st semester.** All remaining 1st and 2nd semester tools are required to be with the student at the beginning of 2nd semester.

A dealership supplied laptop loaded with Service Advisor Local Is recommended, not required. Speak with your sponsoring dealership representative.

### Tools Required for 1st Semester

#### Electronic Test Equipment

- ☐ Fluke Model 87 or 88 Multimeter.  
(No Substitutions.)\*\*

#### Miscellaneous

- ☐ Tool bag 16" limit\*\*
- ☐ Clear Lens Safety Glasses ( Must meet Z87 specifications.)\*\*
- ☐ Hearing Protection\*\*
- ☐ Pad Lock\*\*
- ☐ Air Conditioning Duct Thermometer\*\*
- ☐ Telescoping Magnet\*\*
- ☐ Small Flashlight or Penlight\*\*
- ☐ Pistol Grip Blow Gun W/ Rubber Tip\*\*
- ☐ Battery Terminal Spreader Pliers\*\*
- ☐ Battery Post/Terminal Cleaning
- ☐ Brush\*\*
- ☐ Small Wire Brush\*\*
- ☐ 10" Wire Brush\*\*
- ☐ Pick Set (4 Piece) Standard \*\*
- ☐ Telescoping Inspection Mirror
- ☐ Gasket Scraper 1" Wide
- ☐ Air Chuck for tire inflation
- ☐ Tire Pressure Gauge 100 PSI capacity
- ☐ Butane Mini Torch

#### Measuring Equipment

- ☐ 6 Inch Steel Ruler Combination 1 mm & 1/64th" graduations\*\*
- ☐ Thread Pitch Gauge Set SAE\*\*
- ☐ Thread Pitch Gauge Set Metric\*\*
- ☐ Flat Feeler Gauge Set
- ☐ .0015" -.030" \*\*
- ☐ Angle Feeler Gauge Set
- ☐ .005" - .030" \*\*

- ☐ Dial Indicator 1" Travel W/
- ☐ Heavy Duty Magnetic Base\*\*
- ☐ Dial Caliper 6" Stainless Steel W/ Graduations in SAE and Metric\*\*

#### Pliers

- ☐ Electrical Pliers/Cutter/Stripper/Crimper\*\*
- ☐ 14" Flat Nose Snap Ring Pliers Narrow Tip 1.5" Minimum Opening\*\*
- ☐ 14" Flat Nose Snap Ring Pliers Wide Tip 1.5" Minimum Opening
- ☐ Convertible Internal/External Snap Ring Pliers Set
- ☐ 8" Slip Joint Pliers
- ☐ 7" Diagonal Cutters
- ☐ 7" Needle Nose Pliers
- ☐ 10" Curved Jaw Locking Pliers
- ☐ 5" Curved Jaw Locking Pliers
- ☐ 6" Needle Nose Locking Pliers
- ☐

#### Hammers/Punches/Chisels

- ☐ Ball Peen 16 oz.\*\*
- ☐ Center Punch\*\*
- ☐ Punch and Chisel Set (Min 12 Pc)

#### Cutting, Drilling, Milling

- ☐ Twist Drill Index 1/16" to 1/2" Increments of 1/64ths\*\*
- ☐ 10" Half Round File with handle\*\*
- ☐ 10" Single Cut Mill File with handle\*\*
- ☐ 8" X 5/16" Round File with Handle\*\*
- ☐ File Card\*\*
- ☐ Hacksaw with blades

#### Screw Driver Sets Including

- ☐ Slotted 3/16", 1/4", 5/16", w/ 1/4" Stubby
- ☐ Phillips #1, #2, #3 w/ #2 Stubby
- ☐ Torx Drivers T8-T30

#### Wrenches

- ☐ Combination Wrenches 1/4"-15/16" 12Pt
- ☐ Combination Wrenches 8-19mm 12Pt
- ☐ Hex Key Wrench Set SAE
- ☐ Hex Key Wrench Set Metric
- ☐

#### 1/4" Drive

- ☐ Socket Set 3/16"- 9/16" Shallow 6 point
- ☐ Socket Set 3/16"- 9/16" Deep 6 point
- ☐ Socket Set 5-14mm Shallow 6 point
- ☐ Socket Set 5-14mm Deep 6 point
- ☐ Extensions 2", 4",
- ☐ Ratchet
- ☐ Screw Driver Type Drive Handle
- ☐ Universal Joint
- ☐ 1/4" to 3/8 Adapter

#### 3/8" Drive

- ☐ 3/8" Drive Torque Wrench 100 Ft.Lb.\*\*
- ☐ Socket Set 5/16"- 15/16" Shallow 12pt
- ☐ Socket Set 5/16"- 15/16" Deep 6pt
- ☐ Socket Set 8-19mm Shallow 12pt
- ☐ Socket Set 8-19mm Deep 6pt
- ☐ Extensions 3", 6", 12"
- ☐ Ratchet Standard Length
- ☐ Ratchet Long Flex Head
- ☐ Speed Handle
- ☐ Universal Joint
- ☐ 0-150 In-Lb Torque Wrench Dial or Beam Type

### Additional Tools for 2nd Semester

#### Tool Storage

- ☐ Rolling Tool Storage Box (59" Length Limit)

#### Miscellaneous

- ☐ Shop Work Light
- ☐ Open Barrel Electrical Terminal Crimpers
- ☐ Electrical Terminal Removal Tool Set

#### 1/2" Drive

- ☐ Socket Set 1/2"- 1 1/4" Impact Shallow
- ☐ Socket Set 1/2"- 1 1/4" Impact Deep
- ☐ Socket Set 10-32mm Impact Shallow
- ☐ Socket Set 10-32mm Impact Deep
- ☐ Extensions 3", 6", 12"
- ☐ Ratchet Standard Length

- ☐ Ratchet Long Flex Head 24"
- ☐ Breaker Bar 30" or longer
- ☐ Impact Universal Joint
- ☐ Impact 3/8"-1/2" Adapter
- ☐ 1/2"-3/8 Adapter
- ☐ 1/2" Drive Torque Wrench 250 Ft. Lb.

**Wrenches**

- ☐ Combination Wrenches 1"-1 1/2" 12Pt
- ☐ Combination Wrenches 20-36mm 12Pt
- ☐ Double End Flare Nut Wrenches 3/8" - 7/8"
- ☐ Double End Flare Nut Wrenches 9-21mm
- ☐ 12" Adjustable Wrench
- ☐ 24" Adjustable Wrench
- ☐ Adjustable 3"-6" Oil Filter Pliers
- ☐ Heavy Duty Oil Filter Strap Wrench

**Additional Recommended Tools**

- ☐ 3/8" Power Impact Wrench
- ☐ 1/2" Power Impact Wrench
- ☐ 1/2"-3/4" Impact Drive Adapter
- ☐ 1/2" Cordless Drill
- ☐ Die Grinder w/Cut Off Wheel and Burring Bits
- ☐ Air Hammer w/Bits
- ☐ Inverted Torx Sockets
- ☐ Crows Feet Sockets SAE & Metric

**Hammers**

- ☐ Sledge 3 or 4LB
- ☐ Ball Peen 32oz.
- ☐ Dead Blow 3.5LB (56oz.) Minimum

**Prybars**

- ☐ 12", 16", 21" Lady Foot Rolling Head Bar
- ☐ 16", 24" Angled End Prybar

**Sockets**

- ☐ 3/8 Drive Flex Impact 10-19mm 6Pt
- ☐ 3/8 Drive Flex Impact 3/8"-3/4" 6Pt
- ☐ Torx Bit Sockets T10-T60
- ☐ SAE Hex Key Sockets 1/8"-5/8"
- ☐ SAE Hex Key Sockets 5-19mm

- ☐ Hydraulic Cylinder Cup Seal Installer Set
- ☐ Small Oring Spoon set
- ☐ Infrared Thermometer Gun
- ☐ 36" Pry Bar
- ☐ 24" or 30" Alignment Prybar
- ☐ SAE Ratcheting Wrenches
- ☐ Metric Ratcheting Wrenches
- ☐ 16" Adjustable Joint Pliers
- ☐ 1/2" Drive Chrome Sockets

**Punches**

- ☐ 3/4" Diameter Brass Drift
- ☐ 5/8" X 20" Bearing Race Punch
- ☐ 12" Long Drift Punch

**Pliers**

- ☐ 12" Adjustable Joint Pliers
- ☐ Long Reach Needle Nose Pliers Set 3 Piece

**Welding Equipment**

- ☐ Burn Jacket
- ☐ Gauntlet Style Welding Gloves
- ☐ MIG Welding Pliers
- ☐ Auto Darkening Welding Helmet W/ Selectable Modes
- ☐ Chipping Hammer W/Wire Brush
- ☐ Combination Wrenches 1 9/16"- 2"
- ☐ Stubby Combination Wrenches 3/8"-3/4"
- ☐ Stubby Combination Wrenches 10-19mm
- ☐ Open End Angled Wrenches 3/8"-2"
- ☐ Open End Angled Wrenches 10-27mm
- ☐ R134A Air Conditioning Manifold Gauge Set