# Diesel-Ag Equipment Service Technology

**Books/Tuition**

<table>
<thead>
<tr>
<th>Quarter</th>
<th>Tuition And Fees</th>
<th>Books</th>
<th>Tools</th>
<th>Supplies</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>First Quarter</td>
<td>$1,513</td>
<td>640</td>
<td>3,894</td>
<td>443</td>
<td>$6,490</td>
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<tr>
<td>Second Quarter</td>
<td>$1,482</td>
<td>225</td>
<td>2,461</td>
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<td>$4,168</td>
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<td>Third Quarter</td>
<td>$1,452</td>
<td>435</td>
<td>370</td>
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<td>$2,257</td>
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<tr>
<td>Fourth Quarter</td>
<td>$1,618</td>
<td></td>
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<td>COOP Quarter</td>
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<td>335</td>
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<td>$1,610</td>
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<tr>
<td>Fifth Quarter</td>
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<td>390</td>
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<td>$1,749</td>
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<td>Seventh Quarter</td>
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<td>Total Estimate For Program</td>
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</table>

**Basic Tools for Diesel-Ag Equipment Service Technology Program**

- **Center Punch**
- **Flat-Nose Snap Ring Pliers - narrow tip**
- **Flat-Nose Snap Ring Pliers - wide tip**
- **1/8" Pin Punch**
- **5/32" Pin Punch**
- **1/4" Pin Punch**
- **1/8" Starting Punch**
- **1/4" Starting Punch**
- **Electrical Pliers, Wire Crimper/Cutter/Stripper**
- **Wire Type Spark Plug Gage – Standard Ignition**
- **Wire Type Spark Plug Gage – Electronic Ignition**
- **1/4" Drive Socket Set (1/4" to 1/2")-6 Point, including Ratchet, Short Extension & Drive Handle & Universal Joint**
- **3/8" Drive Socket Set (3/8" to 7/8")-12 Point, including Ratchet, 3/8" & 5/8" Extensions, Flex Handle, Speed Handle, and Universal Joint**
- **3/8" Drive Socket Set (3/8" to 1/4")-12 Point, including Ratchet, 3/8" & 5/8" Extensions, Flex Handle and Universal Joint**
- **3/8" to 1/4" Adapter**
- **3/8" to 9/16" Adapter**
- **1/8" to 3/8" Adapter**
- **1 - Cotter Pin/Seal Puller (SnapOn #55904B or equivalent)**
- **1 - Drive Deep Well Socket Sets, 3/8" to 7/8", 12 Point**
- **1 - Dial Indicator w/Magnetic Base (1" Travel Indicator)**
- **1 - English Thread Pitch Gage**
- **1 - Metric Thread Pitch Gage**
- **1 - Respirator (Replaceable Cartridge Type)**
- **1 - 3/8" Drive Universal Socket Set, 6-Point, (7/16" to 1/4")**
- **1 - 3/8" Drive Socket Set (3/8" to 1/4")-6 Point, including Ratchet**
- **1 - Drive Metric 6-point Socket Set (5-14mm)**
- **1 - Drive Metric 6-point Socket Set (3/8" to 7/8")**

**Supplies Needed For First Quarter**

- **Safety Glasses (must meet Z87 specs)**
- **Notebook Filler Paper**
- **6 - Grommet Folders/Dividers**
- **1 - Pack of Pens**
- **3 - Pencils**
- **1 - Highlighter**
- **Welding Gloves**
- **Ruler**
- **1 - Pack Colored Pencils**
- **Large 3-Ring Notebook**
- **Hearing Protection**
- **Acetylene Welding Headgear w/Face Shield #5 Lens, also clear face shield for general shop eye protection while grinding, buffing, etc.**
- **Arc Welding Helmet w/10 Lens and 2 clear plastic lenses**
- **Chipping Hammer**
- **1 - Black Permanent Marker**
- **1 - Silver Permanent Marker**
- **2 - Electrical Test Lead Kit**
- **1 - Chisel/Punch Holder Kit**
- **Engine Lift Kit Materials**
- **Uniforms (shirts) (3-5 minimum)**

**Supplies Needed For First, Second, & Third Quarters**

- **1 - Fluke Model 87 or 88 Multimeter (NO SUBSTITUTES)**
- **1 - 0 to 1 Micrometer (Non-Digital, Electronic or Mechanical, Check w/instructor before purchasing for requirements) Do NOT PURCHASE from a vendor that must order & deliver at a later date!**

**Tools Required To Enter First Quarter**

1. **Fluke Model 87 or 88 Multimeter (NO SUBSTITUTES)**
2. **Roll-A-Way Tool Box (Top Chest Optional)**
3. **1 - Combination Pliers**
4. **6 - Needle Nose Pliers**
5. **1 - 7" Diagonal Pliers**
6. **1 - Water Pump or Channel Lock Pliers (12" minimum)**
7. **1 - Vise Grip Pliers w/Cutter**
8. **1 - Vise Grip Longnose Pliers**
9. **1 - Vise Grip Pliers w/cutter**
10. **1 - Allen Wrench Set (English)**
11. **1 - Metric Allen Wrench Set**
12. **1 - O"Ring Tool**
13. **1 - Penlight**
14. **1 - 6" Steel Rule**
15. **1 - Ignition Wrench Set (7/32" - 3/8" range)**
16. **1 - Hackaw w/Blades**
17. **1 - Rollin Ring (6" to 20")**
18. **1 - 1 lb. Ball Peen Hammer**
19. **1 - Compatron "Dead Blow" Hammer, 2 or 3 lb.**
20. **015" - 0.300" Feeler Gauge Set**
21. **1 - Gasket Scraper**
22. **1 - 10" Half Round File w/Handle**
23. **1 - 10" Single Cut Mill Bastard File w/Handle**
24. **1 - 8" x 5/16" Round File w/Handle**
25. **1 - File Card**
26. **1 - Screw Extractor Set**
27. **1 - 1/12" Flat Tip Screwdriver**
28. **1 - 2 7/8" Flat Tip Screwdriver**
29. **1 - 4" Flat Tip Screwdriver**
30. **1 - 6" Flat Tip Screwdriver**
31. **1 - 8" Flat Tip Screwdriver**
32. **1 - No. 1 Phillips Screwdriver**
33. **1 - No. 2 Phillips Screwdriver**
34. **1 - No. 3 Phillips Screwdriver**
35. **1 - No. 4 Phillips Screwdriver**
36. **1 - 0 to 1" Micrometer (Non-Digital, Electronic or Mechanical, Check w/instructor before purchasing for requirements) Do NOT PURCHASE from a vendor that must order & deliver at a later date!**

**Tuition And Fees**

- **Tools (may be purchased from optional list)**
- **Books**
- **Tools**
- **Total**

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To determine overall costs, students should plan a budget that includes the above expenses as well as room, meals, clothing, laundry, medical care, recreation and entertainment, transportation, insurance, etc.

For questions or more information, contact the Diesel-Ag Equipment Service Technology Program.