This recommended list is based upon a classroom size of 25 students. All costs are estimated and should be adjusted and verified with current quotes. No specific equipment vendor or brand names are endorsed due to various possibilities, and school districts should consult with stakeholders to ensure industry-recognized equipment and software are purchased. The intent of this list is to provide school districts with guidance on the equipment needed to cover the state standards for an Automation Technology program.

### Classroom Equipment

<table>
<thead>
<tr>
<th>QTY</th>
<th>ITEM DESCRIPTION</th>
<th>UNIT</th>
<th>TOTAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>25</td>
<td>Student Workstations w/chairs</td>
<td>$400</td>
<td>$10,000</td>
</tr>
<tr>
<td>1</td>
<td>Teacher Workstation w/chair</td>
<td>$400</td>
<td>$400</td>
</tr>
<tr>
<td>1</td>
<td>Teacher Computer (enhanced graphics/memory/speed)</td>
<td>$2,500</td>
<td>$2,500</td>
</tr>
<tr>
<td>1</td>
<td>Presentation Equipment (e.g., Interactive Whiteboard (IWB), or other interactive display system with software and accessories)</td>
<td>$3,000</td>
<td>$3,000</td>
</tr>
<tr>
<td>1</td>
<td>Networkable Laser Printer</td>
<td>$400</td>
<td>$400</td>
</tr>
<tr>
<td>1</td>
<td>Vertical File Cabinet (lockable)</td>
<td>$330</td>
<td>$330</td>
</tr>
<tr>
<td>2</td>
<td>Storage Cabinets (36” x 12” x 72”) (lockable)</td>
<td>$300</td>
<td>$600</td>
</tr>
<tr>
<td>2</td>
<td>Bookcases (36” x 12” x 42”)</td>
<td>$115</td>
<td>$230</td>
</tr>
<tr>
<td>2</td>
<td>White Boards (4’ x 8’)</td>
<td>$110</td>
<td>$220</td>
</tr>
<tr>
<td>1</td>
<td>Eyewash Station</td>
<td>$300</td>
<td>$300</td>
</tr>
<tr>
<td>1</td>
<td>Fire Extinguisher</td>
<td>$130</td>
<td>$130</td>
</tr>
<tr>
<td>1</td>
<td>Sink with Soap Dispenser</td>
<td>$100</td>
<td>$100</td>
</tr>
<tr>
<td>1</td>
<td>First Aid Kit</td>
<td>$100</td>
<td>$100</td>
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</tbody>
</table>

**Total:** $18,310

### Program Equipment

<table>
<thead>
<tr>
<th>QTY</th>
<th>ITEM DESCRIPTION</th>
<th>UNIT</th>
<th>TOTAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>25</td>
<td>Student Computers (enhanced memory/speed)</td>
<td>$1,500</td>
<td>$37,500</td>
</tr>
<tr>
<td>5</td>
<td>“Virtual Trainer” Computers (enhanced memory/speed)</td>
<td>$1,500</td>
<td>$7,500</td>
</tr>
<tr>
<td>1</td>
<td>Technology Storage/Charging System (optional)</td>
<td>$2,000</td>
<td>$2,000</td>
</tr>
<tr>
<td>1</td>
<td>Robot System (including robot, conveyor system, sensors, vision, and switches)</td>
<td>$40,000</td>
<td>$40,000</td>
</tr>
<tr>
<td>1</td>
<td>Programmable Logic Controller/Human Machine Interface (PLC/HMI) System</td>
<td>$15,000</td>
<td>$15,000</td>
</tr>
</tbody>
</table>

**Total:** $324,600
### Program Equipment (cont.)

<table>
<thead>
<tr>
<th>QTY</th>
<th>Item Description</th>
<th>Unit</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>6</td>
<td>Motor Control Trainers</td>
<td>$12,000</td>
<td>$72,000</td>
</tr>
<tr>
<td>6</td>
<td>Sensor Trainers</td>
<td>$12,000</td>
<td>$72,000</td>
</tr>
<tr>
<td>1</td>
<td>AC Drive</td>
<td>$9,000</td>
<td>$9,000</td>
</tr>
<tr>
<td>6</td>
<td>Programmable Logic Controllers (PLCs)</td>
<td>$4,000</td>
<td>$24,000</td>
</tr>
<tr>
<td>6</td>
<td>Electrical Trainers</td>
<td>$3,200</td>
<td>$19,200</td>
</tr>
<tr>
<td>1</td>
<td>Project Kit (including hardware and software for hands-on experiments)</td>
<td>$2,500</td>
<td>$2,500</td>
</tr>
<tr>
<td>6</td>
<td>Advanced Robotic Kits</td>
<td>$1,750</td>
<td>$10,500</td>
</tr>
<tr>
<td>1</td>
<td>Full-size Color Printer/Plotter (24” capacity)</td>
<td>$1,000</td>
<td>$1,000</td>
</tr>
<tr>
<td>1</td>
<td>Hazmat Locker (45-gallon capacity)</td>
<td>$1,000</td>
<td>$1,000</td>
</tr>
<tr>
<td>1</td>
<td>Storage Cabinet for Sanitized Eye Protection Equipment</td>
<td>$800</td>
<td>$800</td>
</tr>
<tr>
<td>1</td>
<td>Air Compressor w/accessories</td>
<td>$600</td>
<td>$600</td>
</tr>
<tr>
<td></td>
<td>3D Printers and Supplies</td>
<td>$10,000</td>
<td>$10,000</td>
</tr>
</tbody>
</table>

#### Instructional Materials

**Total:** $3,000

<table>
<thead>
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<th>QTY</th>
<th>Item Description</th>
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<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>25</td>
<td>Student Textbooks (approved by NDE)</td>
<td>$100</td>
<td>$2,500</td>
</tr>
<tr>
<td>1</td>
<td>Teacher Textbook Edition and Resources</td>
<td>$500</td>
<td>$500</td>
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</tbody>
</table>

#### Instructional Supplies

**Total:** $17,120

<table>
<thead>
<tr>
<th>QTY</th>
<th>Item Description</th>
<th>Unit</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>13</td>
<td>Industry-standard Multimeters</td>
<td>$400</td>
<td>$5,200</td>
</tr>
<tr>
<td>1</td>
<td>Electrical Lockout Station</td>
<td>$445</td>
<td>$445</td>
</tr>
<tr>
<td>1</td>
<td>Grinder w/accessories</td>
<td>$320</td>
<td>$320</td>
</tr>
<tr>
<td>6</td>
<td>Circuit Kits (standard and computer interface)</td>
<td>$300</td>
<td>$1,800</td>
</tr>
<tr>
<td>1</td>
<td>Bench Grinder</td>
<td>$270</td>
<td>$270</td>
</tr>
<tr>
<td>2</td>
<td>Reciprocating Saws w/accessories</td>
<td>$200</td>
<td>$400</td>
</tr>
<tr>
<td>2</td>
<td>Power Drills and Drivers w/accessories</td>
<td>$180</td>
<td>$360</td>
</tr>
<tr>
<td>1</td>
<td>4-Lock Lockout Station</td>
<td>$180</td>
<td>$180</td>
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</table>
### INSTRUCTIONAL SUPPLIES (cont.)

<table>
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<th>QTY</th>
<th>ITEM DESCRIPTION</th>
<th>UNIT</th>
<th>TOTAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>13</td>
<td>Industry-standard Tachometers</td>
<td>$165</td>
<td>$2,145</td>
</tr>
<tr>
<td>1</td>
<td>Oscillating Tool w/accessories</td>
<td>$150</td>
<td>$150</td>
</tr>
<tr>
<td>4</td>
<td>Handheld Rotary Power Tools w/accessories</td>
<td>$120</td>
<td>$480</td>
</tr>
<tr>
<td>6</td>
<td>Soldering Kits w/accessories</td>
<td>$20</td>
<td>$120</td>
</tr>
<tr>
<td>Varies</td>
<td>Measuring Equipment (framing squares, measuring tapes, calipers, micrometers, levels, etc.)</td>
<td>$2,000</td>
<td>$2,000</td>
</tr>
<tr>
<td>Varies</td>
<td>Hand Tools (socket sets, Allen/hex wrenches, vises, clamps, hammers, utility knives, etc.)</td>
<td>$1,750</td>
<td>$1,750</td>
</tr>
<tr>
<td>Varies</td>
<td>Personal Protection Equipment (PPE) (gloves, glasses/goggles, etc.)</td>
<td>$1,000</td>
<td>$1,000</td>
</tr>
<tr>
<td>Varies</td>
<td>Computer Accessories (cases, covers, etc.)</td>
<td>$500</td>
<td>$500</td>
</tr>
</tbody>
</table>

**OTHER**

<table>
<thead>
<tr>
<th>QTY</th>
<th>ITEM DESCRIPTION</th>
<th>UNIT</th>
<th>TOTAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Occupational Safety and Health Administration (OSHA) Instructor Training</td>
<td>$300</td>
<td>$300</td>
</tr>
<tr>
<td>1</td>
<td>OSHA Lockout/Tagout (LOTO) Instructor Training</td>
<td>$25</td>
<td>$25</td>
</tr>
</tbody>
</table>

**CATEGORY TOTALS:**

- **CLASSROOM EQUIPMENT** $18,310
- **PROGRAM EQUIPMENT** $324,600
- **INSTRUCTIONAL MATERIALS** $3,000
- **INSTRUCTIONAL SUPPLIES** $17,120
- **OTHER** $325

**ESTIMATED PROGRAM TOTAL** $363,355