

ELECTRICAL & ELECTROMECHANICAL BASIC TOOL & SUPPLY LIST

1st semester Tools for Electrical/Electromechanical/Automation

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|---|--|--|
| <input type="checkbox"/> Safety glasses
<input type="checkbox"/> (2) Large binders | <input type="checkbox"/> 10 square graph paper pad
<input type="checkbox"/> EI-506 Calculator | <input type="checkbox"/> USB drive 16GB
<input type="checkbox"/> Oscilloscope paper pad |
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Electrical

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|--|--|---|
| <input type="checkbox"/> 3mm x 100mm screwdriver
<input type="checkbox"/> Wire stripper
<input type="checkbox"/> Multimeter (see program director)
<input type="checkbox"/> Phillips #2 screwdriver with 4" shank
<input type="checkbox"/> Standard screwdriver 3/16" x 6" shank
<input type="checkbox"/> 6" needle-nose pliers with plastic dipped handles
<input type="checkbox"/> Tool box or tool pouch with belt (optional for automation students) | <input type="checkbox"/> Aluminum torpedo level with magnetized strip on bottom
<input type="checkbox"/> Steel locking tape (3/4" x 25' minimum)
<input type="checkbox"/> Electricians pocket knife or utility knife
<input type="checkbox"/> Hammer (heavy duty curved claw)
<input type="checkbox"/> 10" adjustable jaw wrench (with plastic dip handles)
<input type="checkbox"/> 10" water pump pliers (with plastic dip handles) | <input type="checkbox"/> 6 3/4" diagonal cutters (with plastic dip handles)
<input type="checkbox"/> 9 1/4" high leverage lineman plier (with plastic dip handles)
<input type="checkbox"/> Standard screwdriver 5/16" blade with 6" shank
<input type="checkbox"/> 1/2" / 3/4" conduit reamer
<input type="checkbox"/> Hard sole shoes
<input type="checkbox"/> Hard Hat
<input type="checkbox"/> Architecture Ruler |
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Electromechanical

- | | | |
|--|---|---|
| <input type="checkbox"/> 3mm x 100mm screwdriver
<input type="checkbox"/> Wire stripper
<input type="checkbox"/> Multimeter (see program director)
<input type="checkbox"/> Phillips #2 screwdriver with 4" shank
<input type="checkbox"/> Standard screwdriver 3/16" x 6" shank
<input type="checkbox"/> 6" needle-nose pliers with plastic dipped handles
<input type="checkbox"/> Tool box or tool pouch with belt (optional for automation students)
<input type="checkbox"/> Head gear (skull cap)
<input type="checkbox"/> Green Lens
<input type="checkbox"/> Arc welding helmet | <input type="checkbox"/> Welding gloves
<input type="checkbox"/> Pliers
<input type="checkbox"/> Chipping hammer/wire brush
<input type="checkbox"/> Wire cutters
<input type="checkbox"/> (2) F pencils
<input type="checkbox"/> (2) HB pencils
<input type="checkbox"/> Portable tool chest
<input type="checkbox"/> 1/2" or 3/8" socket set (1/4" through 3/4")
<input type="checkbox"/> 10" ratchet for the above socket set
<input type="checkbox"/> 5" extension for the above socket set
<input type="checkbox"/> 10" and 8" adjustable wrench
<input type="checkbox"/> 7 piece combination wrench set-standard | <input type="checkbox"/> Standard tip screwdriver- 5/16" with 6" shank
<input type="checkbox"/> Phillips screwdriver- size #1
<input type="checkbox"/> Locking tape (1/2" x 12' minimum)
<input type="checkbox"/> Hex key set (5/64" through 3/8")
<input type="checkbox"/> 6 3/4" slip joint pliers
<input type="checkbox"/> 7 3/4" curved diagonal cut pliers
<input type="checkbox"/> 10" locking pliers (straight or curved jaw)
<input type="checkbox"/> 1 1/2 lb standard deadblow hammer
<input type="checkbox"/> 16 oz ball peen hammer
<input type="checkbox"/> 5 piece punch set (1/16" through 5/32")
<input type="checkbox"/> Utility knife |
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Automation

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|--|--|---|
| <input type="checkbox"/> 3mm x 100mm screwdriver
<input type="checkbox"/> Wire stripper
<input type="checkbox"/> Multimeter (see program director) | <input type="checkbox"/> Phillips #2 screwdriver with 4" shank
<input type="checkbox"/> Standard screwdriver 3/16" x 6" shank
<input type="checkbox"/> 6" needle-nose pliers with plastic dipped handles | <input type="checkbox"/> Tool box or tool pouch with belt (optional for automation students)
<input type="checkbox"/> Circuit breadboard
<input type="checkbox"/> Standard Allen key set (1/16" through 1/4") |
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You can also pre-order tool kits from the Campus Store.

A 10% discount will be given at the Campus Store if the items are purchased as a complete set.

This list includes the basic tools a student will be required to have to successfully complete the program. The student should discuss with their program advisor the timeline for purchasing specific tools and suggested optional tools. The College does not recommend, nor endorse, any specific brand of tools. The student should give careful consideration when selecting tools they will use in their career. (10/1/2025)