

Electronics Technology



Purpose: To evaluate each contestant's preparation for employment and to recognize outstanding students for excellence and professionalism in the field of electronics technology.

Contest Location	<ul style="list-style-type: none">▪ C-Hall <p>** Contest in A, B, C or D Hall will not be able to leave for lunch, please select "Contestant Plus" when registering or having contestant prepared to purchase lunch with credit card at vendors in the Exhibit Hall.</p>
Special Notes	<ul style="list-style-type: none">▪ Exhibit Halls do not open to observers until 12:00 pm.▪ No smart watches and/or phones are permitted during the contest and/or in the contest▪ No contact with anyone outside of the contest area once the contest begins▪ No inappropriate communication between contestants such as verbally degrading another contestant▪ No cheating on any portion of the contest such as informing another contestant of the skills/test prior to competing.▪ This is a work-intensive and time-consuming contest. The 4 hours allotted for this contest is at a minimum adequate. Therefore, it is necessary to be ready to start the contest on time.
Testing	<ul style="list-style-type: none">▪ N/A
Eligibility	<ul style="list-style-type: none">▪ One (1) person from each school that has registered for this contest on the regional registration form.
Clothing	<ul style="list-style-type: none">▪ <u>Work/School Attire</u> – School uniform with all identifying logos/markers covered (no jeans) or appropriate work attire: no jeans, no tennis or open toe shoes. Shirts cannot have logos, slogans or pictures. School and student names should be covered, loose fitting clothing must be secure. Safety glasses must meet SkillsUSA Technical Standards
Provided by Contestant (Tool List)	<ul style="list-style-type: none">▪ Soldering Iron▪ Solder▪ Desoldering Pump/Solder Remover/Vacuum

	<ul style="list-style-type: none"> ▪ Handheld multimeter with leads ▪ Oscilloscope with leads ▪ Small Phillips Head Screwdriver ▪ Small Flat Head Screwdriver ▪ Magnifying Glass ▪ Small Ruler (6" min) ▪ Calculator ▪ #2 pencils (sharpened) ▪ One hard copy of a typed personal resume
<p style="text-align: center;">Competition Standards (Not all will be tested but contestant should be knowledgeable of all)</p>	<ul style="list-style-type: none"> ▪ ET 1.0 – Interpret, record and report technical data from provided materials to related ISCET standards ▪ ET 2.0 – Apply knowledge of DC circuits to a given scenario using related competencies of NCEE-Basic Electronics and ISCET-CET ▪ ET 3.0 – Apply knowledge of AC circuits to a given scenario using related competencies of NCEE-Basic Electronics and ISCET-CET ▪ ET 4.0 – Apply knowledge of solid-state devices to a given scenario using related competencies of NCEE-Basic Electronics and ISCET-CET ▪ ET 5.0 – Apply knowledge of analog circuits to a given scenario using related competencies of NCEE-Basic Electronics and ISCET-CET ▪ ET 6.0 – Apply knowledge of digital devices to a given scenario using related competencies of NCEE-Basic Electronics and ISCET-CET ▪ ET 7.0 – Apply knowledge of microprocessors to a given scenario using related competencies of NCEE-Basic Electronics and ISCET-CET ▪ ET 8.0 – Use laboratory practices common to industry situation
<p style="text-align: center;">Resume</p>	<ul style="list-style-type: none"> ▪ In conjunction with National Standards, violations may result in student loss of contest. ▪ All SkillsUSA Ohio State Championship Contest will require a short interview component. Students should be prepared with basic job interview skills.