

# Mechatronics

**CONTEST DATE & LOCATION:** Refer to the Kansas State Championship Conference Packet

**PURPOSE:** To evaluate each contestant's preparation for employment and to recognize outstanding students for excellence and professionalism in the field of Mechatronics. Mechatronics is a career and educational discipline that combines the industrial skills of mechanics, electronics and computer-based controls with a team-oriented approach to problem solving. Skilled Mechatronic technicians are required for the maintenance, repair and operation of modern automated manufacturing systems.

**ELIGIBILITY:** Team of two. Open to active SkillsUSA members enrolled in Mechatronics technology programs as the occupational objective. Where this program is not yet available, students may compete if they are enrolled in industrial electricity, fluid power technology, programmable logic controls (PLC) technology or industrial automation programs.

**CLOTHING REQUIREMENT:** Unless the contest chair says otherwise, students are required to wear the Official SkillsUSA Kansas T-shirt and blue jeans (no tears, holes, or bagginess) clean and neat with appropriate shoes for contest or Official SkillsUSA khaki work shirt and pant attire.

*\* Safety glasses with side shields or goggles. (Prescription glasses can be used only if they are equipped with side shields. If not, they must be covered with goggles.)*

Official SkillsUSA khaki work shirt and pants



NOTE: The Official Kansas State T-shirt will be mailed to schools prior to the competition.

**CONTEST PREPARATION:** Refer to the Technical Standards for guidelines.