



Engineering Technology/Design

Purpose: To recognize an outstanding engineering design project that has been developed by a three-member team of engineering or technology students. The student team will present its innovative idea along with a design board, a design prototype, and an engineering notebook.

On-Site/Off-Site	<ul style="list-style-type: none">▪ On-Site
Contest Date	<ul style="list-style-type: none">▪ 4/9/2024
Contest Location	<ul style="list-style-type: none">▪ Convention Center▪ Short North Ballrooms
Early/Normal Start Time	<ul style="list-style-type: none">▪ Normal Start Time▪ Registration will open at 8:00am. Please report to B-Hall Show Office for Registration. Competition will begin at 10:00am.
Contest Open/Closed	<ul style="list-style-type: none">▪ Open
Eligibility	<ul style="list-style-type: none">▪ Schools may send one (1) team of three (3) competitors for every 250 paid SkillsUSA members based on local competition enrolled in a program where the scope of the contest described in the SkillsUSA Technical Content Standards reflects a major component of the program. Please refer to the National Technical Standards for more eligibility details on this contest.
Competition Clothing (To be worn on Day 1)	SkillsUSA Official Attire: <ul style="list-style-type: none">▪ Official SkillsUSA red blazer▪ Button-up, collared, white dress shirt (accompanied by a plain, solid black tie or SkillsUSA black tie), or white shirt (collarless or small-collared), with any collar not to extend into the lapel area of the blazer▪ Black dress slacks or black dress skirt (knee-length at minimum)

	<ul style="list-style-type: none"> ▪ Black closed-toe dress shoes ▪ Note: Wearing socks or hose is no longer required. If worn, socks must be black dress socks, and hose must be either black or skin-tone and seamless/nonpattern
Safety Equipment Required	<ul style="list-style-type: none"> ▪ Relevant PPE as required by contestant design.
Awards Ceremony Attire (To be worn on Day 2)	<p>SkillsUSA Official Attire:</p> <ul style="list-style-type: none"> ▪ Official SkillsUSA red blazer ▪ Button-up, collared, white dress shirt (accompanied by a plain, solid black tie or SkillsUSA black tie), or white shirt (collarless or small-collared), with any collar not to extend into the lapel area of the blazer ▪ Black dress slacks or black dress skirt (knee-length at minimum) ▪ Black closed-toe dress shoes ▪ Note: Wearing socks or hose is no longer required. If worn, socks must be black dress socks, and hose must be either black or skin-tone and seamless/nonpattern <p>Or,</p> <p>Business Dress:</p> <ul style="list-style-type: none"> ▪ Blazer, sports coat, or dress ▪ Button-up, collared, white dress shirt (accompanied by a plain, solid black tie or SkillsUSA black tie), or white shirt (collarless or small-collared), with any collar not to extend into the lapel area of the blazer ▪ Dress slacks or dress skirt (knee-length at minimum) ▪ Closed-toe dress shoes ▪ Note: Wearing socks or hose is no longer required. If worn, socks must be black dress socks, and hose must be either black or skin-tone and seamless/nonpattern
Testing	<ul style="list-style-type: none"> ▪ There is no written test required for this competition.
Provided by Contestant (Tool List)	<ul style="list-style-type: none"> ▪ All competitors must create a one-page résumé and submit a hard copy to the technical committee chair at orientation. Failure to do so will result in a 10-point penalty.

	<ul style="list-style-type: none"> ▪ Design prototype (The design prototype cannot be hazardous in any way. If the prototype is not conducive to being presented in an indoor facility, please notify the SkillsUSA headquarters in advance so other arrangements can be made.). Design prototypes must be transported and set up in the contest area by the contestant team on the move in and set up day. No help will be provided by SkillsUSA. ▪ Design board ▪ Engineering notebook ▪ Industrial review of engineering design. ▪ Laptop, computer, projector and small screen, if necessary; documentation and presentation software such as Microsoft Office or Open Office. ▪ All competitors must create a one-page résumé and submit a hard copy to the technical committee chair at orientation. Failure to do so will result in a 10- point penalty ▪ NO HAZARDOUS DEMOS-NO FIRE/FLAMES ▪ Power Strip – UL Approved
<p>Contest Notes, Themes, & Deadlines</p>	<ul style="list-style-type: none"> ▪ N/A
<p>Special Notes</p>	<ul style="list-style-type: none"> ▪ Starting in 2024, all State Contests will begin to add a scenario-based component. ▪ Contact with Contest Coordinators is prohibited. Contact with Contest Coordinators outside of the SkillsUSA Ohio office may result in contestant disqualification. ▪ All safety requirements will be heavily enforced. Violation may result in contestant disqualification. ▪ No smart watches and/or phones are permitted during the contest and/or in contest. ▪ No contact with anyone outside of the contest area once the contest begins. ▪ No inappropriate communication between contestants such as verbally degrading another contest. ▪ No cheating on any portion of the contest such as informing another contestant of the skills/test prior to competing. ▪ Starting in 2024, Wi-Fi is provided for contests where it is required for contest success.

<p>National Technical Standards</p>	<ul style="list-style-type: none">▪ Please refer to the 2023-2024 National Technical Standards for all contests. Any and all standards included may be tested in any competition.▪ In conjunction with National Standards, violations may result in student loss of contest.
<p>Resume/Interview Requirement</p>	<ul style="list-style-type: none">▪ All SkillsUSA Ohio State Championship Contests will require a short interview component. Students should be prepared with basic job interview skills.▪ All contestants must have a hard copy of a one (1) page personal resume.