

# 2026 OKLAHOMA SLSC STATE MEMO

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## Industrial Motor Control Contest Information

**NO SUBSTITUTIONS WILL BE ALLOWED AFTER FRIDAY,  
MARCH 27, 2026**

**THERE WILL BE NO SUBSTITUTIONS ALLOWED ON-SITE AT THE  
CONFERENCE**

**\*Please double-check all registrations prior to the deadline. This includes secondary versus postsecondary as well as contests\***

**\*Contest will follow national technical standards unless otherwise stated in the state memo.**

The 2026 Oklahoma SkillsUSA Industrial Motor Control contest will be held April 20th and will be hosted at the Arvest Center, 100 Civic Center, Tulsa, OK 74103

### CONTEST FEES

In addition to the regular conference registration, there will be a lunch fee of \$25.00. This fee will be added to the contestant's registration when it is completed online.

### CONTEST

**Full implementation of the new design will be required to enter the 2026 competition.**

Setup and orientation will be held Sunday, April 19<sup>th</sup> at the Arvest Business Center (formerly known as the Cox Business Center) from 2:00-2:30 pm. Contestants need to bring all equipment to be approved and set up.

The Conduit State SkillsUSA Contest will be held on Sunday, April 19<sup>th</sup> at the Arvest Business Center (formerly known as the Cox Business Center). Contest starts a 2:30 pm at the Industrial Motor Controls Contest area. If there is a conflict with Leadership contest on Sunday, please arrive early on April 20<sup>th</sup> and inform the judges.

The Design and Wiring State SkillsUSA Contests will be held Monday, April 20<sup>th</sup>, at Arvest Business Center (formerly known as the Cox Business Center). Contest starts at 8am.

## RESUME

All contestants will submit a digital resume prior to contest day. Contestants will receive an email to the address used to register the contestant for contest with instructions and link to access the SkillsUSA Competitor Portal page. The email will contain contestant's username and contestant number, which are required to login to the Competitor Portal.

## CONTEST TESTING

Contestants will be judged on their SkillsUSA knowledge through the Professional Development test and a knowledge test based on their contest area, unless otherwise stated in the state memo.

Contestants will NOT be allowed to use cell phones or other electronic communication devices during the contest and will be disqualified for doing so.

## LUNCH

A box lunch is included in contest registration/lunch fee for contestants. Also a box lunch will be provided for judges.

It is recommended to bring bottled water and snacks (energy bars, etc.) to tide contestants over until lunch

## INDUSTRY AWARDS

**\*\*\*NEW 2026- ADVISOR MEDALS WILL NOT BE PROVIDED BY OKLAHOMA SKILLSUSA, BUT WILL BE AVAILABLE FOR PURCHASE IN THE SKILLSUSA STORE**

**\*\*\*Prizes are the responsibility of the individual contests. Prizes are not guaranteed and are not supplied at the SkillsUSA Oklahoma state level.**

**Each participating school is expected to furnish an industry award.** Industry awards should be labeled with the name and address of the award supplier so that an appropriate "Thank you" may be sent, must be accompanied by an *industry award donation information sheet* (available on the Oklahoma SkillsUSA website). **Please bring prizes to the awards area at the Arvest Convention Center Tulsa Ballroom on Sunday, April 19<sup>th</sup> between 12-4pm or Monday, April 20<sup>th</sup> between 8am-4pm.**

## AWARDS CEREMONY

Winners will be recognized at the General Session on Monday night, April 20<sup>th</sup>, at 7pm, or Tuesday morning, April 21<sup>st</sup> at 9am. ***(please pick the correct awards ceremony for your contest)***

**All competitors must wear official SkillsUSA dress to the Awards Session, where winners are announced. Competitors who are not dressed appropriately or lack official attire will be denied access to the awards stage. Students must be present when their contest is announced. If a student is improperly dressed, absent, or misses their contest being called, the production will not be paused for any reason, and they will forfeit their opportunity to go on stage to receive the award. No exceptions will be made. No hats or sunglasses will allow to be worn on stage.**

- Official dress for men: Official blazer, jacket or sweater; black dress slacks; white dress shirt; plain black tie with no pattern or SkillsUSA black tie; black socks and black shoes.
- Official dress for women: Official blazer, jacket or sweater; black dress slacks or knee-length skirt with business like white, collarless blouse or white blouse with small, plain collar that may not extend onto the lapels of the blazer, and black dress shoes.

**Please see the National SkillsUSA [clothing guidelines](#) as needed**

## TOOLS AND SUPPLIES

Contestants will need to bring the following tools and materials, build the ELECTRO-MECHANICAL CHASSIS described in the attached specifications.

- Standard wiring or "pouch" tools including needle-nose pliers, side cutters, diagonal pliers, conduit reamer, assorted screwdrivers, both slotted and Phillips, wire and strippers.
- Hacksaw
- ½ EMT bender
- 6' folding rule or tape measure
- 70'-14 or 16 AWG THHN solid or stranded in various colors
- Straight-edge and/or symbol template for drawing ladder and flow chart
- Volt-Ohm-Milliammeter (VOM or DMM)

- Currently adopted (by the state of Oklahoma) NEC Book
- Eye protection with side shields
- #2 lead Pencils
- Snacks/Bottled Water
- Lock out/Tag out equipment (plug cover, lock, tag)

## **CLOTHING REQUIREMENTS**

All students will be required to wear appropriate clothing representative of their occupation. No school logos or anything that shows your name allowed on clothing. Safety glasses are required at all times while in the contest area

## **CELLPHONES AND OTHER SMART DEVICES**

Cellphones, electronic watches and/or other electronic devices not approved by a competition's technical committee are NOT allowed in the competition area. Please follow the guidelines in each technical standard for approved exceptions. Technical committee members may also approve exceptions onsite during the SkillsUSA Championships if deemed appropriate.

## **CONTEST DESCRIPTION AND SCORING**

The contest will consist of an online SkillsUSA (PDP) knowledge test, online written test covering knowledge of NEC article 430, 310-16, 240, and other motor, wiring, and control related problems, and a skill test.

For the electro-mechanical component of the contest, the contestants will be given a word problem, required to draw a ladder diagram of the solution, and construct a circuit based off a given diagram using the electro-mechanical assembly. If contestants are unable to complete the drawing, a ladder diagram will be provided to test their ability to construct the diagram with a reduction to their overall points. Scoring for this part of the contest will be based on accuracy and neatness of the ladder diagram, neatness of wiring, and efficiency of operation.

For the Conduit Bending portion of the contest, contestants be given a diagram of a conduit bending scenario. They will have to perform several bends. Contestants are given thirty minutes and two attempts (two, five-foot sticks of EMT) to complete the bends. A second attempt will result in a point deduction. The contestants final attempt will then be checked on jigs supplied by the technical committee for fit and neatness.

### **SPECIFIC SCORES:**

- Design Documentation 100 pts

- Wiring/Function 100 pts
- Conduit Bending 100 pts
- Written Test 30 pts
- The SkillsUSA PDP is 2.5% of the contest score.
- The written knowledge test is 10% of the contest score.
- The technical skills portion of the contest is 87.5% of the contest score.
- The above scoring is consistent with the national SkillsUSA competition.

### **ASSEMBLY DESCRIPTION**

Reference Electromechanical assembly packet for a bill of materials, construction, and additional prints.

Unit must have approved power cord (three prong), properly strain-relieved into an enclosure, and must include 3 amp (maximum) single pole circuit breaker. You may use components of equal form/fit/function (any brand) but try to follow the presented assembly layout as closely as possible to simplify troubleshooting for the judges and to ensure the instructions given to contestants match the physical construction of their assembly. The appliance cord may be prewired to a disconnect or breaker. No additional prewiring will be allowed. Contestants will be asked to remove any prewiring before they are allowed to begin the Industrial Motor Control contest if needed.

Terminal blocks are allowed. Judges will use discretion to verify that a trainer adheres to the standardized construction and are allowed to request changes before a contestant is allowed to enter the competition.

### **Prints and Bill of Materials**

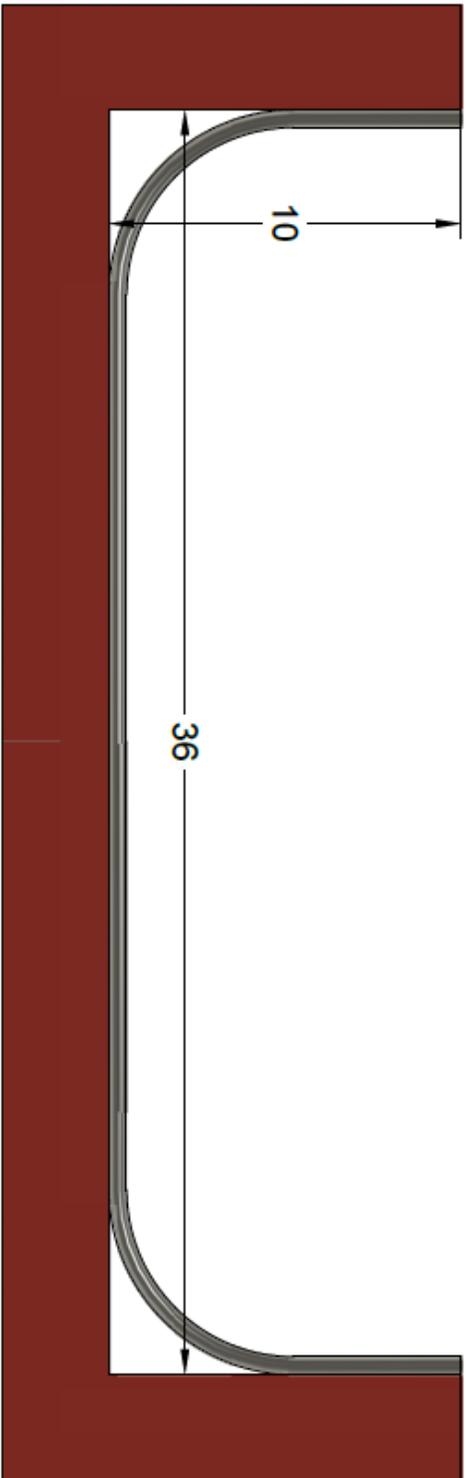
All prints contain a Bill of Materials. PDF versions are available for printable copies and improved formatting.

### **ADDITIONAL INFORMATION**

If you have any questions about the contest, please contact **Steven Crosswell (Trade Chair)**, **Ben Morgan (Program Specialist)**.

**National Technical Standards can be found on Pathful, which you can access with your professional SkillsUSA membership. Technicals are updated periodically, please check regularly.**

SkillsUSA Championship Coordinator- Missy Kaiser [missy.kaiser@careertech.ok.gov](mailto:missy.kaiser@careertech.ok.gov)  
 SkillsUSA State Advisor- Lauren Holmes [lauren.holmes@careertech.ok.gov](mailto:lauren.holmes@careertech.ok.gov)



**EXAMPLE  
PRINT**

PROJECT  
**SkillsUSA**  
TITLE  
**SkillsUSA MC Conduit example**

APPROVED	Zach Ite	2/17/2026	SIZE	CODE	DWG NO	REV
CHECKED	Zach Ite	2/17/2026	B	MC Conduit	2	1
DRAWN	Cody Ewan	2/17/2026	SCALE 1:3	WEIGHT N/A	SHEET 1/1	