

2026 Oklahoma SLSC State Memo

Precision Machining

**NO SUBSTITUTIONS WILL BE ALLOWED AFTER FRIDAY, MARCH 27, 2026
THERE WILL BE NO SUBSTITUTIONS ALLOWED ON-SITE AT THE
CONFERENCE**

Date, Time and Location

The 2026 State SkillsUSA Precision Machining Skill Championships will be held Wednesday, April 15th at Francis Tuttle Technology Center, Portland Campus. The contest orientation will begin promptly at 8:00 a.m., and the contest will start at 8:30 a.m.

For safety purposes each contestant is to have a copy of their Personal Medical and Liability Release form with them at the contest site. The form is to be given to the contest chairman when signing in for contest. You must use the form found on the SkillsUSA web site.

RESUME- 2026 please read

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.

The deadline to submit resume is April 3rd, 2026.

Medical Forms and Resumes

The state supplied medical forms are required. No others will be accepted at the contest.

All contestants will be required to submit a typed resume also turned in when signing in. If any contestant does not submit a resume to the contest chair, penalty points will be assessed.

Transportation

You must provide your own transportation to the contest and to the contestant meeting.

Lunch

A lunch break will be provided and students will be expected to remain on campus for lunch. Students should bring approximately \$10.00 for lunch.

Clothing Requirements

Jewelry including rings and watches are not allowed during the contest. Contestants should not wear clothing that has school identification visible to the judges. Those contestants wearing program uniforms will need to cover all identifying patches. **Proper clothing includes name badges placed on chest left hand pocket area.**

Awards Ceremony

Contest winners will be recognized during the Awards Assembly at 9:00 a.m. on Tuesday, April 29th, in the Tulsa Convention Center. **OFFICIAL SkillsUSA ATTIRE IS REQUIRED!** According to the SkillsUSA Championships Technical Standards - clothing requirements are as follows: "*For men:* SkillsUSA official attire: Official red blazer or jacket, black dress slacks, white dress shirt, plain black tie with no pattern or SkillsUSA tie from Midwest Trophy, black socks and black shoes. *For women:* Official red blazer or jacket, black dress slacks or skirt, with businesslike white, collarless blouse or white blouse with small, plain collar that may not extend onto the lapels of the blazer, black sheer or skin-tone hose and black shoes." Any contest winner who is not in official SkillsUSA attire will not be permitted on stage. The student will be escorted behind the stage to receive his or her medallion and awards. The awards ceremony is the "**Showplace**" of our state conference, and many industry guests and VIP's are invited to present medallions and honor our students.

Judges

Additional judges are needed...please contact Julia Southern at julia.southern@francistuttle.edu , with the names of those that can assist.

Rules and Regulations

There is no national contest for manual machining, however we will follow the former national rules, regulations, and the contest content as closely as possible.

Material will not be provided. Each contestant will need to bring his or her own material.

Tools and Supplies

Continue to check this page until April 1st to confirm any materials to be supplied or to be brought.

Mill	Lathe
<p>The mill project will be made of aluminum. The material will be 4. x 4. X 1.00 with all dimensions to be finished by contestants.</p> <p>**Tools required:</p> <p>Face mill or fly cutter - 3" Max diameter, End mills; 3/8", 1/4" & 1/2" Center drill, Drill bits; #7 Tap. 1/4 x 20. 27/64 drill, 1/2x 13 tap, Set of Parallels Edge finder. I will have collets and drill chucks on the machines but you are welcome to bring your own R8 collets if you like.</p>	<p>The Lathe project will be made of 12L14 or 1045 cold rolled steel material . The material will be 2.0 OD x 7.0 long. You can bring material faced to length and center drilled on each end.</p> <p>**Tools required:</p> <p>Center Drill, Facing & turning tool, Threading tool, Grooving tool; .125" wide max. 1 3/8x12 tpi nut, 1 1/4x 12 hex nut, 1 x 14 hex nut Tool shank size is 3/4 max.</p>

Measurement & Inspection	Other tools/Equipment
Steel ruler; 6" and 12" OD Mic's, 0-1" (.0001 scale) & 1-2" (with standards) 6" Caliper 1-2" OD Blade Mic (can use 6" caliper) Depth Mic with standards;	- Pencil - Paper - Calculator - Machinist Handbook or Shop Reference for Students and Apprentices - De-burring tools - State Medical release form - Safety glasses with side shields. 0-1 OD micrometer 1-2 OD micrometer, dial calipers, steel ruler, Thread pitch gauge, Thread fish, **And any other tools you think you might need

Tool list and information

Each contestant will be required to bring toolboxes and their tools. Contestants should bring a Minimum of the tools listed above. Must bring a 1 3/8 x 12 tpi nut, 1 1/8 x 12 tip nut, and a 1x14 tpi nut. for a gauge. Gauge nut will remain with part through inspection. Sharing boxes or tools will not be allowed.

Safety

For safety reasons side shields and safety glasses are required. The maximum rpm are on the mill 1500 rpm and the lathe 1000 rpm. Any minor safety violations there will be one verbal warning, one warning with 25pts off and on the third violation disqualification. Major violations will deem automatic disqualification at judge's discretion.