



CNC 3-Axis Milling Programmer

The purpose of this competition is to evaluate each competitor's skills to independently plan and program jobs and to provide instructions for 3-Axis Computer Numerical Control (CNC) milling machine operators to execute. The competition also seeks to recognize outstanding students for excellence and professionalism.

On-Site/Off-Site	<ul style="list-style-type: none"> ● On-Site
Contest Date	<ul style="list-style-type: none"> ● 3/18/2025
Contest Location	<ul style="list-style-type: none"> ● Convention Center ● C-Hall
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 ● Exhibit Halls do not open to observers until 12:00pm.
Eligibility & Contest Type	<ul style="list-style-type: none"> ● Please refer to the Program Guidelines for eligibility- https://www.ohioskillsusa.org/resources/ ● Regional Qualifier Contest (Must attend and place in the top 4 at Regionals to Qualify to Compete at State Level)
Clothing	<ul style="list-style-type: none"> ● <u>For Competition Day the Dress Code is:</u> Class D ● <u>For the Awards Ceremony the Dress Code is:</u> Class A or Class J ● 2025 SkillsUSA Ohio Clothing Guide
Safety Equipment Required	<ul style="list-style-type: none"> ● N/A
Testing	<ul style="list-style-type: none"> ● Competitor should prepare to take a Validation Cam Programming test which will require the use of only one of the

	<p>following Approved Cam options such as Mastercam or Fusion 360.</p> <ul style="list-style-type: none"> • Competitor should prepare for a Measurement test. Part that will be provided at the contest. Competitor will go through an Oral Presentation.
Provided by Contestant (Tool List)	<ul style="list-style-type: none"> • Contestants will be required to bring their own Computer that has working access to Mastercam or Fusion 360. Free Mastercam and Fusion 360 can be provided on the Contestants standalone Computer. • See Competitor Resource Document for free access to Mastercam or Fusion 360. • Contestants' computers will need to be able to read and write to a standard USB Flash Drive. • (Required)Pen or pencil for notes, or written calculations. • (Optional)Basic calculator • (Required) – 12 foot Power Cord along a power strip to access power during the event. • All contestants must have a hard copy of a one (1) page personal resume • Contestants should verify that all hardware and software is in working order prior to the contest.
Contest Notes, Themes, & Deadlines	<ul style="list-style-type: none"> • N/A
WIFI Provided?	<ul style="list-style-type: none"> • No
Special Notes/Rules for All Contests	<ul style="list-style-type: none"> • Started in 2024, all Skilled Trade State Contests (most leadership contests already use scenarios) will begin to add a scenario-based component. • <u>Wi-Fi will NOT BE AVAILABLE unless listed above</u>. If you need WIFI access please plan to bring a hotspot. • All safety requirements will be heavily enforced. Competitors are to follow all safety standards and OSHA Regulations • <i>Contestants MUST HAVE A COPY OF THEIR EMERGENCY MEDICAL FORM IN THEIR NAME BADGE AT ALL TIMES</i> • <u>THE FOLLOWING ITEMS ARE PROHIBITED; VIOLATION OF ANY OF THE FOLLOWING MAY RESULT IN COMPETITOR DISQUALIFICATION:</u> <ul style="list-style-type: none"> • Contact with Contest Coordinators is prohibited. Contact with Contest Coordinators outside of the SkillsUSA Ohio is strictly prohibited. • Possession of smart watches and/or phones during the contest and/or in contest. • Contact with anyone outside of the contest area once the contest begins.

	<ul style="list-style-type: none"> ● Inappropriate communication between contestants such as verbally degrading another contest. ● Cheating on any portion of the contest such as informing another contestant of the skills/test prior to competing. ● Lack of Copy Emergency Medical Form in Name Badge.
National Technical Standards	<ul style="list-style-type: none"> ● Please refer to the 2024-2026 National Technical Standards for all contests. All standards included may be tested in any competition. ● In conjunction with National Standards, lack of understanding of State Level competition standards (this document) may result in student loss of contest.
Resume/Interview Requirement	<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 <u>must have a hard copy</u> of a one (1) page personal resume.