

2023 SkillsUSA Info

Competition takes place at Phillips Corp

Haas Automation Distributor

4/19/23



8500 Triad Dr, Colfax, NC 27235

There will be a clothing & resume penalty for the contestant.

Three contests will be offered:

CNC 3-Axis Milling Programmer (was CNC Milling), CNC 2-Axis Turning Programmer (was CNC Turning), CNC Programmer (was CNC Technician)

Competitors will be issued a Process Plan with print, must follow operations (feeds/speeds & order) to receive points

Computers will not be issued, competitors are expected to bring their own

MasterCAM & Fusion are available free for students to use, check link <https://www.skillsusanc.org/> , under CNC tests "2023 Competitor Resource NC" for information, any other CAM software the student is responsible for.

MasterCAM Licenses for SkillsUSA Competitors during onsite competition day:

Schools that operate on a network license, bringing that with them could cause an issue.

1. Consult your IT person at your school to identify and ensure access and usage of your school licensed software away from school.
2. Barefoot reached out to CNC Software, and they informed us that there is a program in place for this. Users can fill out the form at <https://www.mastercam.com/skillsusa/> . Mastercam will send a temporary license to be used for the event. You can also reach out to education@barefootcnc.com if you run into any issues getting licenses for the competition.

Rooms/Sites used at Phillips for Competition

Larry Hubbard Conference Center
Showroom
3D Printer Area

Orientation 7:30am – Submit Resume and sign-in

Post-Secondary & Secondary 3-Axis Milling Programmer (CNC Milling)

8:00 – 9:30am	Metrology Test	Showroom
9:35 – 11:00am	Theory Test	3D Printer Area
	BREAK	
12:00-12:30pm	Lunch	Showroom/Outside
12:35 – 2:00pm	CAM Milling	Larry Hubbard Conference Center

Post-Secondary & Secondary 2-Axis Turning Programmer (CNC Turning)

8:00 – 9:30am	CAM Turning	Larry Hubbard Conference Center
9:35 – 11:00am	Metrology Test	Showroom
	BREAK	
12:00-12:30pm	Lunch	Showroom/Outside
12:35 – 2:00pm	Theory Test	3D Printer Area

Post-Secondary & Secondary CNC Programmer (CNC Technician)

8:00 – 9:30am	CAM Turning	Larry Hubbard Conference Center
9:35 – 11:00am	Metrology Test	Showroom
	BREAK	
12:00-12:30pm	Lunch	Showroom/Outside
12:35 – 2:00pm	CAM Milling	Larry Hubbard Conference Center
2:05 – 3:30pm	Theory Test	3D Printer Area

Materials Allowed During Competition (all furnished by competitor)

- 1) Machinist Handbook and/or Student Reference Manual
- 2) Calculator – machinist, programmable, etc
- 3) Pen/Pencil