

2022 State SkillsUSA

Precision Machining & CNC Machining Competition



Precision Machining & Manufacturing Lab
Jewett Hall, 77 Fort Road, South Portland, ME
Friday, February 18, 2022
(Snow date by arrangement)

8:00-8:45 a.m.	Safety Orientation and Machine Overview
8:45-8:55 a.m.	Welcome from SMCC President Cantor, Precision Machining Faculty, Admissions, MAMe Judges Introductions
8:55-9:00 a.m.	Competition Overview
9:00-10:30 a.m.	Round One Competition
10:30-10:45 a.m.	Clean Up / Break
10:45 a.m.-12:15 p.m.	Round Two Competition
12:15-12:30 p.m.	Clean Up
12:30 p.m.	Lunch provided by SMCC for Advisors, Competitors and Judges

NOTE: Safety is stressed.

Competitions

- SMCC Application Fee will be waived on the day of competition.
- SMCC / Haas Scholarships will be available to seniors attending SMCC in the fall 2022.
- Competitions will take place in the Precision Machining Lab at Southern Maine Community College, Jewett Hall, 77 Fort Road, South Portland, ME.
- SMCC SkillsUSA Committee will provide all necessary machines, prints, material and judges.
- MAME will provide funds toward SkillsUSA Nationals travel.
- Manual Machining Competition may include basic milling and turning skill sets.
- CNC Competition will use Haas CNC simulator to complete a CNC program for a milled part. Technical Committee will provide a tool list, setup sheets and Haas CNC simulator.
- Lab competition scores will be provided to the technical committee for awards at the state championships in Bangor at the awards ceremony.
- Judges have the right to disqualify any competitor due to safety concerns.
- Judges' scores are final. Contestants will be provided with their raw score data only.
- Judges will only answer technical- or machine-related questions.
- Advisors are asked not to coach during the break.

Tool and Resource Update (2/8/22)

- 0-1-inch and 1-2-inch Outside Micrometer
- 6-inch Min Calipers (Digital or Dial)
- Scientific Calculator
- Pencil
- 6-inch Rule
- Edge Finder
- Shop Reference for Students and Apprentices from Machinery's Handbook or similar
- Tap Handle
- Z71-approved Safety Glasses
- Leather Footwear
- Skills Approved Dress
- Resume