

2020 State SkillsUSA

Precision Machining & CNC Machining Competition



**Precision Machining & Manufacturing Lab
Jewett Hall, 77 Fort Road, South Portland, ME**

Thursday, March 5th, 2020

(Snow Date: Friday 6th)

8:00-8:45 a.m.	Safety Orientation and Machine Overview
8:45-8:55 a.m.	Welcome from SMCC President Cassidy, 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.
- Two (2) SMCC / Haas Scholarships will available to a seniors attending SMCC next Fall.
- 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 provided funds toward SkillsUSA Nationals travel.
- Tool Award to winners, complements of MSC Supply.
- Manual Machining Competition may include basic milling and turning skill sets.
- CNC Technician Competition will use Haas CNC simulator to complete a CNC program for a milled and turned part. Technical Committee will provide a tool list, setup sheets.
- Lab competitions scores will be provided to the technical committee for awards at the state championships in Bangor in March.
- 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.

CNC Competitors: Schools are asked to provide their own Haas CNC Machine simulator. (SMCC has older models available. (Please notify in advance)

Tool and Resource Update (1/29/19)

- 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