



# CNC Technician



<b>Date</b>	2/18/22	<b>Orientation Time</b>	8:30 a.m.
<b>Location</b>	Sentinel Career & Technology Center	<b>Contest Time</b>	*immediately after orientation
<b>Contest Coordinator</b>	Ron Huffman (SCTC) and Larry Ray (Vantage)	<b>Contact Information</b>	567-230-3589 or <a href="mailto:rhuffman@vsctc.org">rhuffman@vsctc.org</a>
<b>Purpose</b>	The purpose of this contest is to evaluate each contestant's preparation for employment in Computer Numeric Control Turning and Milling. In addition, to recognize outstanding students for excellence and professionalism.		
<b>Testing</b>	General CNC and Manufacturing Knowledge test		
<b>Eligibility</b>	1 contestant for every 50 paid members enrolled in program		
<b>Clothing</b>	CLOTHING REQUIREMENT — Manufacturing/Construction Khaki Attire • Official SkillsUSA khaki short-sleeve work shirt and pants. • Black, brown or tan leather work shoes. • Career field uniform without school district logo. Note: Safety glasses must have side shields or goggles (prescription glasses may be used only if they are equipped with side shields. If not, they must be covered with goggles).		
<b>Provided by Contestant</b>	Professional Resume Pen or Pencil Non-programmable calculator (not a machinist calculator) <u>Provided at site:</u> Hard copy of Haas CNC Mill and CNC Lathe reference manual to use during contest, plain paper for notes and calculations on contest, Haas controller. <u>Disqualifications:</u> Cell phone in competition area, smart watches.		
<b>Contest Skilled Performance Standards</b>	<p><b>CNCTECH 1.0</b> - Apply basic machining skills per industry standards as set forth by the SkillsUSA technical committee.</p> <p><b>CNCTECH 2.0</b> - Demonstrate knowledge of CNC programming per industry standards as set forth by the SkillsUSA technical committee.</p> <p><b>CNCTECH 3.0</b> - Perform mathematical calculations as needed for calculating speeds, feeds, program coordinates, angles, radii and tangent points.</p> <p><i>Please review the 2021-2022 SkillsUSA National Tech Standards for detailed information on each skilled performance standard.</i></p>		