

Mechatronics



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| <p>Contest Location</p> | <ul style="list-style-type: none"> ▪ C-Hall <p>** Contest in A, B, C or D Hall will not be able to leave for lunch, please select “Contestant Plus” when registering or having contestant prepared to purchase lunch with credit card at vendors in the Exhibit Hall.</p> |
| <p>Special Notes</p> | <ul style="list-style-type: none"> ▪ Competition will start immediately after orientation. ▪ Exhibit Halls do not open to observers until 12:00 pm. ▪ No instructors are permitted inside the contest area. ▪ No smart watches and/or phones are permitted during the contest and/or in contest ▪ No contact with anyone outside of the contest area once the contest begins ▪ No inappropriate communication between contestants such as verbally degrading another contest ▪ No cheating on any portion of the contest such as informing another contestant of the skills/test prior to competing. |
| <p>Testing</p> | <ul style="list-style-type: none"> ▪ Students will be administered a written exam pertaining to the technical knowledge outlined in the national content standards. |
| <p>Eligibility</p> | <ul style="list-style-type: none"> ▪ Please refer to the National Technical Standards for this contest. <ul style="list-style-type: none"> ○ Schools may send one competitor or team for every 50 paid SkillsUSA members based on local competition enrolled in a program where the scope of the contest described in the SkillsUSA Technical Content Standards reflects a major component of the program. ○ Leadership and Occupationally Related Contest Specifications - The following competitions are open to all members of SkillsUSA Schools may send one competitor or team for every 500 SkillsUSA members based on local competition. |
| <p>Clothing</p> | <ul style="list-style-type: none"> ▪ Jeans (with no holes) or Khakis accepted. No shorts or open toed shoes or sandals. Students can wear tennis shoes or work boots, but laces must be tied. Short sleeve polo, button up shirts and plain non-graphic T-shirts also acceptable. |

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| <p style="text-align: center;">Provided by Contestant (Tool List)</p> | <p>Mechatronics Technical Committee provide</p> <ul style="list-style-type: none"> ▪ Mechanical, fluid power and electronic components ▪ FluidSIM software ▪ 24 VDC 2 A<P Power supply (for above components) ▪ Terminal Strip ▪ Status Box ▪ Integration cables and patch cords (for above components) ▪ Pneumatic tubing and cutter ▪ Mini Compressor ▪ Assorted electron-pneumatic devices ▪ Circuit Schematics <p>Teams provide</p> <ul style="list-style-type: none"> ▪ One copy of a 1-page typed personal résumé ▪ Pen/Pencil ▪ Safety Glasses ▪ Multimeter ▪ Small Screw Drivers (Phillips and Straight Slotted) ▪ Wire Cutter/Stripper ▪ Allen Wrench Set (Inch and Metric) ▪ Open-Ended Wrenches (Inch and Metric) ▪ Appropriate Work Clothing |
| <p style="text-align: center;">Competition Standards (Not all will be tested but contestant should be knowledgeable of all)</p> | <p style="text-align: center;">Follow the National Technical Standards</p> |
| <p style="text-align: center;">Resume</p> | <ul style="list-style-type: none"> ▪ In conjunction with National Standards, violations may result in student loss of contest. ▪ All SkillsUSA Ohio State Championship Contest will require a short interview component. Students should be prepared with basic job interview skills. |