

FIRST Robotics Competition — Volunteer Position Description

**MACHINE SHOP STAFF**

**POSITION SUMMARY**

Assist teams with robot repair and modifications.

**BENEFITS OF THE POSITION**

- Make a difference in the lives of youth by creating a fun, meaningful, educational and inspirational experience for team members
- Significant level of responsibility
- Opportunity to utilize and further develop coaching skills
- Opportunity to share and utilize mechanical knowledge and skills
- Interesting and varied responsibilities
- Ability to work and interact with team members and mentors
- Active role, not sedentary

**ACTIVITIES AND RESPONSIBILITIES**

- Demonstrate Gracious Professionalism
- Promote and instruct teams on tool safety practices depending on insurance and shop regulations
- Maintain safe work environment

**EXPERIENCE AND SKILLS NEEDED**

- FIRST experience not required
- Experienced machinist/welder, or significant machine shop experience
- Strong mechanical/technical skills
- Experience using a variety of machine tools (See list at end of position description)
- Strong interpersonal/communication skills
- Self-directed individual
- Ability to move about the facility
- Ability to stand for long periods of time
- Ability to work as a member of a volunteer team

**TRAINING**

Optional: Attend Wednesday night volunteer meeting to provide oversight to the event

**TIME COMMITMENT AND SCHEDULE OF ACTIVITIES**

**Commitment:** Minimum one day

DAY/SHIFT	ACTIVITIES
* <b>Volunteers should arrive on site 30-45 minutes prior to start of shift</b>	
* <i>Shift times may vary by regional event</i>	
<b>Thursday</b> 8am-8pm <b>Friday</b> 8am-6pm * <b>Saturday</b> 8am-3pm	<ul style="list-style-type: none"> <li>• Prior to start of shift:                             <ul style="list-style-type: none"> <li>• Check in at Volunteer Registration/Information Table</li> <li>• Report to</li> </ul> </li> <li>• Perform duties</li> </ul>

**REPORTING RELATIONSHIPS AND SUPERVISION**

- Oversight by Volunteer Coordinator

**MACHINE SHOP STAFF SHOULD BE QUALIFIED TO OPERATE:**

- |                            |                     |                      |
|----------------------------|---------------------|----------------------|
| • Vertical Milling Machine | • Disc Sander       | • Saber saw          |
| • Engine Lathes            | • TIG Welder        | • Router or Roto-zip |
| • Acetylene Torches        | • Finger brake      | • Circular saw       |
| • Drill Press              | • MAPP Gas Torch    |                      |
| • Band Saw                 | • Portable Band Saw |                      |