

**AUGUST 2017**  
**FLSA: NON-EXEMPT**  
**SALARY GRADE: M**  
**CBA DESIGNATION: CLASSIFIED**

## **RIVERSIDE COMMUNITY COLLEGE DISTRICT**

### **SENIOR APPLIED TECHNOLOGIST**

**BASIC FUNCTION:** Under the supervision of the area Dean, installs, maintains, repairs, adjusts, calibrates, and tests a variety of manufacturing equipment to include, but not limited to, lathes, vertical mills, CNC turning centers, robotics, production assembly systems, welders, power tools, electronic assemblies, rapid prototyping, laser cutting, metal bending and cutting apparatus, drills grinders, and metal cutting saw.

**REPRESENTATIVE DUTIES:**

1. Establishes and implements prudent and jurisdictionally compliant safety and security procedures relevant to manufacturing machine shop used in an educational environment, including hazardous waste and fire safety procedures, and implements required reporting and record keeping documentation.
2. Assists administration with technical nomenclature, compatibility issues, supply sourcing and other issues requiring technical or trade specific identification.
3. Assists instructors, students, vendors, and partners with the creation of, or the availability of, specialized curriculum supplies, projects, demonstrations, tooling, or materials.
4. Creates, adapts, or translates a variety of basic, or proprietary, computer interface languages as needed to interfaced shop projects and demonstrations.
5. Establishes and implements an inventory record keeping and security system, which will aid in the use and prevention of loss of department equipment and supplies.
6. Assists, supports, and interfaces effectively with students, instructors, vendors, exhibitors, suppliers, visitors, and others in keeping with the integrity and goals of the department.
7. Operates a variety of manufacturing equipment and instrumentation.
8. Maintains a technical library pertinent to all shop equipment and systems.
9. Implements a preventive maintenance system for all shop items; performs repairs and troubleshooting procedures on all equipment items to include electrical, electronic, computerized, mechanical, and structural failures as they occur.
10. Performs calibration, alignment, and tolerance testing on all applicable shop systems.
11. Creates training programs, projects, and demonstrations using machinery interface software and writes programs in Basic Language format to create Robotics tasks.
12. Uses Internet search procedures to resource technical information and to source components and supplies when needed.
13. Maintains all available training equipment and systems in a clean and functional state; maintains a clean, safe, hazard-free work area; establishes and posts shop safety rules, policies, and procedures.
14. Maintains compliance and reporting procedures to all jurisdictional agencies and understands codes and requirements pertinent thereto.
15. Performs other duties, related to the position, as assigned.

**EDUCATION:** Graduation from high school or GED equivalent.

**EXPERIENCE:** Three years of experience servicing, operating, and programming manufacturing machinery or equipment of similar technology are required. Experience with programming, servicing, overhauling, and troubleshooting robotics equipment; experience using Windows NT, Microsoft Office, various AutoCAD/Cam programs, Basic language programming, Genesis Prototyping software, Corel Draw, MS-DOS programming, DOS Basic programming, and similar systems are necessary.

**LICENSES/CERTIFICATIONS REQUIRED:** None.

**KNOWLEDGE OF:**

- Manufacturing equipment and procedures.

**ABILITY TO:**

- Create and innovate using a variety of mechanical and electronic crafts and skills is desirable;
- Foresee tasks, needs, goals, and objectives without direct instruction;
- Read blueprints and schematic diagrams and use the information obtained;
- Perform mathematical calculations and apply the results as needed;
- Interface computer programming and machinery function to desired tasks;
- Assist instructors and students to meet their needs and goals;
- Participate in District-provided in-service training programs;
- Maintain a friendly, supportive atmosphere for students, staff, faculty, and the public.

**CONTACTS:** Co-workers, instructors, students, vendors, exhibitors, suppliers, visitors, and partners

**PHYSICAL DEMANDS:** Employees must possess the ability to lift, carry, push, and pull materials and objects weighing up to 50 pounds. Will require occasional travel.

**ENVIRONMENTAL ELEMENTS:** Employee works in a normal applied technology environment with moderate noise levels, controlled temperature conditions, and no direct exposure to hazardous physical substances.

**OTHER:** Must have evidence of sensitivity to and understanding of the diverse academic, socioeconomic, cultural, disability and ethnic backgrounds of community college students, staff and the community.

The Riverside Community College District is an equal opportunity employer and recognizes the need to provide reasonable accommodations to employees with disabilities. For more information, please contact (951) 222-8039.