



Machinist Instructor

Share Your Knowledge and Skills with the Next Generation

The Aerospace Machinist Joint Training Committee (AMJTC) seeks an innovative and experienced Machinist to instruct apprenticeship classes and be committed to apprentice success. Reporting to the Director of Apprenticeship, the Machinist Instructor will be expected to establish a successful and supportive learning environment for a diverse college-level apprenticeship population with a wide range of backgrounds and experiences. Instructors are responsible to plan, teach, and manage apprentice learning in the classroom and lab. This is a PART-TIME position.

The primary responsibilities are to teach AJAC's current apprentices a variety of key aerospace oriented machining concepts and skills. Candidate will also work with AJAC staff to plan, implement, and update the program and program materials necessary to meet industry needs. Classes are held one night a week for four hours.

Minimum Qualifications:

- Minimum 5 years' experience as a machinist in the aerospace-oriented manufacturing industry
- Journey-Level machinist or equivalent required
- Knowledge and proficiency in conventional machine operations: Mill and Lathe
- Ability to read and interpret engineering drawings and GD&T symbols
- Knowledge of speeds and feeds for machining all types of metals
- Ability to use micrometers, electronic gauges, calipers and similar tools/equipment
- Excellent communication skills
- Ability to work with diverse populations

Preferred Qualifications:

- Prior experience teaching or mentoring in a college, technical, or vocational environment
- General knowledge of apprenticeships and state apprenticeship system

Essential Functions:

Teach apprentices to:

- Machine parts to specifications using conventional machine tools, such as lathes, milling machines, shapers and grinders
- Set-up, adjust and operate basic or specialized machine tools used to perform precision machining operations
- Align and secure holding fixtures, cutting tools, attachments, accessories and materials onto machines
- Use precision measuring instruments to create and inspect parts to print specifications

Examples of Duties:

- Effectively teach the curriculum for the aircraft-oriented machining program
- Teach layout including use of Mastercam
- Teach basic math, basic algebra and applied geometry and trigonometry
- Establish guidelines and manage conduct of students as appropriate for the classroom and machine shop
- Support AJAC's mission in passing along the knowledge of the trades in order to create the most highly skilled and trained aerospace and manufacturing craftspeople in the world
- Develop and teach productive work habits and specialized skills as identified by AMJTC to foster apprentice learning and career progression.
- Identify individual learning needs of students and present material accordingly.
- Deliver educational objectives in a non-discriminatory manner, in line with the AMJTC's equal employment opportunity standards.
- Work effectively with students from academically, culturally, and economically diverse backgrounds
- Work with AJAC Program Manager and make suggestions to curriculum as required to ensure apprentices receive training in machining operations that addresses industry needs and meets all applicable state laws regarding apprentices.
- Participate in instructor training and curriculum development meetings
- Follow AMJTC's administrative guidelines as assigned, including maintaining apprentice/student record-keeping, progress reporting, and communication expectations with the AJAC Program Manager.
- Maintain and ensure program performance and competency standards are met
- Develop and maintain effective working relationships with students, supervisor and staff
- Ability to work well in a team
- Communicate effectively in oral and written English
- Maintain a comprehensive knowledge of the aerospace manufacturing field and stay up to date on related machining applications and techniques.
- As a contracted representative of AMJTC, uphold the highest professional standards and convey a professional image in interactions with all affiliated organizations and parties.
- Maintain regular attendance and punctuality
- Perform other duties assigned

Application Deadline: Open Until Filled

Required application documents: To be considered for this position, the following information must be submitted to instructors@ajactraining.org by the application deadline. Reference **Machining Instructor** in the subject line.

- Letter of Interest
- Resume

Compensation: \$38.00-\$45.00/hour (D.O.E. and qualifications)

Employer Information: The AMJTC is a statewide, state-funded non-profit organization. The purpose of the AMJTC is to support the mission of the Aerospace Joint Apprenticeship Committee (AJAC), www.ajactraining.org. With offices located in Seattle and Spokane, AJAC is dedicated to developing, implementing and maintaining thriving aerospace apprenticeship programs for the purpose of creating highly skilled aerospace and advanced manufacturing tradespeople.

It is the mission of the Aerospace Machinist Joint Training Committee that the recruitment, selection, employment and training of employees shall be without discrimination based on race, gender, color, religion, national origin, age, disability, sexual orientation, veteran status or as otherwise specified by law.