

Apprenticeship Posting: Production Technician

What You Will Do:

Production Technician Apprentices are responsible for performing processes relating to the manufacture of technical ceramics and/or metals following work order specifications. Apprentices work within a team environment to meet departmental goals.

Sample activities:

- Operate multiple basic production machines and/or a single complex, technical production equipment to manufacture parts in compliance with work order instructions; makes machine adjustments and contacts appropriate person when needed
- Inspect parts to determine if product meets quality/ customer specifications and takes appropriate action concerning parts that are not to customer/quality standards
- Transfer parts to next process via computer software
- Clean work area, machines, tools and equipment
- Assist Tool Room Maintenance personnel with daily maintenance

Who You Are:

This position is available to individuals who are currently sophomores in high school. Applicants must be 16 years of age and older on June 1, 2017.

Preferred mindsets and interests

- **Team player:** Open communicators that want to help get things done and gather as much information as possible.
- **Problem Solver:** Logical thinking influences your use of information; you use data and knowledge to generate useful ideas.
- **Mechanical Aptitude:** You like working with your hands; taking things apart and putting them back together.

What You Have Done:

Educational Requirements for Applying Candidates

Applicants should be able to communicate clearly and concisely, both verbally and in writing.

Applicants should also be on track to master the following arithmetic competencies by the beginning of the apprenticeship in order to access potential college-level training content (as outlined in College Board Accuplacer Program Manual, October 2016):

- *perform the basic arithmetic operations of addition, subtraction, multiplication, and division using whole numbers, fractions, decimals, and mixed numbers*
- *make conversions among fractions, decimals, and percents*

Applicants should be on track to master the following reading competencies by the beginning of the apprenticeship (as outlined in College Board Accuplacer Program Manual, October 2016):

- *answer questions that require them to synthesize information, including gauging point of view and intended audience*
- *recognize organizing principles in a paragraph or passage*
- *identify contradictory or contrasting statements*

What You Will Learn:

Occupational Competencies the apprentice will develop in the role

- **Safety Awareness:** learn how to identify potential hazards and work safety in a manufacturing environment
- **Reading blueprints and schematics:** become proficient with reading and interpreting documents that describe how a given product will be constructed
- **Computer Aided Manufacturing:** become proficient with software programs that control the operation of manufacturing machines.

Foundational Competencies the apprentice will develop in this role

- **Quality Control Analysis:** Analyze the quality of your work to meet the necessary quality and performance standards; track defects, check parts and meet time standard goals. Be mindful of quality and its importance.
- **Troubleshooting:** Determine the cause of operating errors and develop possible solutions. Make small adjustments but speak with the appropriate people (e.g., supervisors, colleagues) on problems that may be systemic (e.g., a pattern of problems or serious problems).
- **Active Listening:** Maximize learning by paying attention to what other people are saying (e.g., co-worker, supervisor). Understand occupation-specific terms and their practical meaning. Recognize that listening is essential to safety and know when to ask questions.
- **Mathematics:** Able to solve problems through math skills and visualize problems in 3D when needed.

Certification(s) & Coursework:

- Apprentices will receive a Certificate of Completion from the U.S. Department of Labor upon successful completion of their Registered Apprenticeship.
- Apprentices will take a minimum of 2 college courses.
- Apprentices will earn the nationally-recognized MSSC Certified Production Technician credential

Job Details:

- **Address:** CoorsTEK Inc. 2449 Riverside Parkway Grand Junction, CO 81505
- **Start date:** July 2017
- **Apprenticeship duration:** 3 years
- **Year 1 Summer Work Schedule:** mutually agreed upon by apprentice and business
- **Year 1 School Year Work Schedule:** either of the following options
 - 8 hours per work day; 2 work days per week

- 4 hours per work day; 4 work days per week
- **Apprentice compensation:** \$12.00 per hour for the first 450 hours worked; subsequent increase to \$12.50 per hour
- **Total apprentices for this position:** 3 (will rotate between three departments)
- **Total apprentices at company:** 4
- **Work environment description:** Production floor: standing, lifting, walking and bending.