



## **Advanced Manufacturing (Quality Engineering) Apprentice Position**

**BACKGROUND:** The NWIRC is a non-profit management consultancy of the U.S. Department of Commerce and the Pennsylvania Department of Community and Economic Development that assists in the health and vitality of manufacturing businesses in the Northwest Pennsylvania region.

**OBJECTIVES:** This apprenticeship will improve quality and process control for the manufacturer by implementing new equipment and procedures for measuring, recording and analyzing product and process data. The goal of the project will be to reduce process variation and improve part re-work rate from about 3% annually to less than 0.5% annually. Specifically the qualified candidate will:

- Identify best practices, equipment and available technologies to measure, record and analyze, with minimal operator input, process control variables.
- Champion procurement and manage installation of the best-fit solution.
- Develop, implement and train employees on improved procedures.

**REQUIREMENTS:** Candidates are required to be currently enrolled in an accredited college or university with an expected graduation no later than May 2017, shall be pursuing a four-year degree in Quality, Engineering, or related technical field with completed coursework in Statistics; and ability to work at a Jefferson County facility approximately forty (40) hours per week while concurrently maintaining half-time or less student status.

Additionally, the ideal candidate shall have prior knowledge of statistical process control software, such as WinSPC, have excellent communication skills with the ability to train and lead others, and be a responsible, mature, team-oriented individual with great attention to detail.

Minimum required cumulative GPA of 3.0 on a 4.0 scale.

**TIMEFRAME:** April 2016 through approximately August 2016.

**PAYRATE:** Minimum \$12.00 per hour depending upon experience, knowledge and skills.

**CONTACT:** Qualified candidates are to apply online at [www.nwirc.org/apprentice](http://www.nwirc.org/apprentice). Please direct all inquiries about this advanced manufacturing apprentice opportunity, including requesting further detailed description of essential job function, to Gretchen Reinard via email [greinard@nwirc.org](mailto:greinard@nwirc.org).