

Job Posting

Position: Process Engineer
Reports to: Laboratory Manager
FLSA Status: Exempt



Description Summary

This position assists in the machine operation, process development, and sustaining activities within the materials processing and characterization laboratory. This includes quality control activities and coordination with safety and operations managers to ensure laboratory safety and security.

Key Responsibilities:

Perform assembly, installation, repair and/or operate semiconductor processing, and characterization equipment. Perform equipment preventative maintenance. Manage supply inventories, as well as equipment logs and records. The job requires the ability to work independently as well as with others. Interact with contracted maintenance personnel to ensure that their performance is in accordance with laboratory safety procedures with a responsibility to report any deviations from these procedures to the laboratory safety officer or immediate supervisor.

Qualifications/Skills and Knowledge Requirements

- Must be a US Citizen due to contractual requirements from the Department of Defense.
- Possess a "working" knowledge of vacuum systems either through formal training or, at least, two years of experience.
- Familiarity with electronics theory applied toward installation, fault isolation and repair of sophisticated electronic equipment.
- Applied knowledge in AC/DC circuits, D-A conversion, display systems, power supplies, digital systems, logic circuits, control systems, test equipment, manufacturing and electrical safety.
- Functional literacy in all Microsoft Office Pro (2003/2007) applications.
- Eligibility to obtain security clearance.
- Ability to communicate effectively in written and spoken English.

Preferred: Associate or Bachelors degree in Mechanical Engineering or Electrical Engineering, or BA/BS in Physics or Material Science.

Minimum: Formal technical training with a minimum of two years experience.

Salary and Benefits: This is a full-time position with salary commensurate with experience. Benefits include medical, vision, dental, life insurance, 401(k), stock-options, and paid vacation.

Company Information:

Amethyst Research Incorporated (Amethyst) specializes in materials and manufacturing processes for high-performance sensors and electro-optical devices. Amethyst develops proprietary processing and quality control techniques to improve the operability and to manufacture semiconductor based devices. Amethyst's 11,000 square foot operations center houses state-of-the-art materials processing and characterization tools, an ion beam accelerator, and two molecular beam epitaxy growth chambers for manufacture of semi-conductor materials. www.amethystresearch.com

Amethyst is located in Ardmore, Oklahoma, equidistant (~90 miles) from Oklahoma City and Dallas/Fort Worth, TX and is at the hub of a ten-county region in South Central Oklahoma known as Arbuckle Country and Lake and Trail Country. The cost of living in Ardmore is below the national average. Compared to other cities in the region, Ardmore boasts an affordable community with an exceptional quality of life. Ardmore was listed as one of 50 Best Towns in America and was twice named All-American City. <http://ardmore.org/>

Amethyst is an Affirmative Action/Equal Opportunity Employer committed to the development of a diverse workforce.

To Apply: Email a cover letter and resume to careers@amethystresearch.com.