



# Internal/External Job Posting

**JOB TITLE:** Chemist  
**AVAILABLE TO:** All Standard Aero Employees

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**APPLICATION DEADLINE:** Monday, July 14, 2008

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**LOCATION:** San Antonio      **JOB GRADE:** 6      **SHIFT:** Day

**SBU:** TLM SA      **CELL:** Chemical Lab

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**RELOCATION ASSISTANCE:**       Yes       No       To Be Determined

**OVERTIME ELIGIBILITY:**       Yes       No

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## POSITION OVERVIEW:

- Acts as a technical consultant in the fields of aircraft jet engine cleaning, metal deposition by chemical reduction or electrodeposition methods, and related metal surface treatments such as aluminum and magnesium corrosion resistant, phosphate and black oxide coatings.
- Assists other chemists, chemical technicians and engineering technologists in developing and conducting programs for sampling and analysis to maintain quality standards.
- Sets up and calibrates equipment and performs complex and routine experiments, tests, and analyses using techniques such as ion chromatography, inductively coupled plasma spectrometry, physical and chemical separation, and wet chemical methods.
- Calculates solution constituent concentrations and determines the chemical alterations necessary to maintain the solutions at optimum efficiency. Monitors alterations and maintains accountable historical records on the solutions.
- Compiles, records, and interprets experimental or analytical results.
- Operates and maintains laboratory equipment and apparatus; prepares standard solutions, reagents, and sample formulations.
- Develops or improves methods of analyzing solutions, materials and contaminants as needed.
- Develops or participates in the development of guidelines and specifications for the handling of dangerous chemicals and environmental protection.
- Participates in interdisciplinary research and development projects working with chemical and project engineers, metallurgists, and Operations personnel.
- Develops and/or modifies currently used methods and procedures to improve them or extend their application or to resolve problems.
- Evaluates chemical testing technology and equipment and determines production requirements and specifications to keep work place current with latest technologies.
- Develops and conducts programs of analysis to ensure quality control of raw materials, chemical intermediates, and final products.
- Performs pilot testing of new products and procedures to ascertain their usefulness for shop applications.

## PRIMARY REQUIRMENTS:

- Thorough knowledge in the use and calibration of general laboratory equipment, salt spray cabinets, tensiometers, viscometers, Instron hydrogen embrittlement testers, as well as, analytical equipment such as inductive coupled plasma and ultraviolet spectrophotometers and ion chromatographs.
- Professional knowledge of chemical principles, theories, practices and established methodology sufficient to perform the full range of duties required in this position.
- Strong planning, organizational, analytical, interpersonal, decision making, oral and written communication skills.
- Working Knowledge of precision laboratory measurement, test and analytical equipment.
- Ability to read, understand and interpret engineering blueprints, specifications and complex analytical formulas.
- Bachelor's degree in chemistry, chemical engineering; or related degree.
- Experience in a chemical laboratory environment preferably associated with the metal finishing discipline.

## APPLICATION PROCESS:

If you are Interested in applying for this Opportunity, please complete a job application which can be provided by your Human Resources department or from [Portal](#).

Please quote #079-08 when applying for this position.

Applicants are responsible for ensuring that their applications are submitted to Human Resources prior to the application deadline date. Late or incomplete applications may not be considered.

**Should you have any questions regarding this position, please contact Adriana Alvarado.**