

## Job Information

**Job Title:** Materials and Process Engineer

**Employer:** C&D Zodiac

## Job Description

### Description:

C&D Zodiac, Inc. is a fast-paced, widely diverse and pro-active aerospace manufacturer located in Marysville, WA. Our Company thrives on the initiative, sound judgment and integrity of the employees. C&D Zodiac provides structural and interior composite components to aerospace customers worldwide. Our values of quality, flexibility, and on time delivery have made us a world class organization that is prepared to meet the high standards set by the aerospace industry.

C&D Zodiac, Inc. is recruiting for an experienced Material and Process Engineer for our Advanced Composites Division to participate in the manufacturing of new and existing aerospace structural and interior projects. Material and Process Engineers are responsible for developing, implementing and improving manufacturing processes and equipment that will increase productivity and efficiency.

A Material and Process Engineer develops and establishes material and process specifications to ensure manufacturing process and materials meet customer and regulatory requirements. May work with external customers and serve as a liaison on critical matters.

- *Innovate, design, develop, optimize and implement* manufacturing processes, procedures, tooling and equipment.
- Develop equipment and tooling specifications, identify and evaluate suppliers, help procure, install and de-bug equipment from outside suppliers.
- Perform process optimization and process capability studies.
- Write manufacturing procedures and perform training of production personnel
- Provide timely resolution of product, process and equipment problems in the form of creative short and long term solutions.
- Identify potential product improvement, vertical integration and cost reduction opportunities.
- Lead cross-functional teams for product improvement, line extension or vertical integration projects.
- Oversee development and validation builds.
- Ensure adequate engineering studies, design verifications, and process validations are conducted such that well developed products are introduced into manufacturing.
- Write, execute and review validation protocols and reports.

**Required or preferred experience includes:**

ITAR governed position: Must be a US Citizen or Permanent Resident to qualify.

BS Mechanical Eng., Material Science, Plastics Eng./ Tech. or Manufacturing Eng./Tech., etc  
Bachelor of Science degree required, MS is preferred.

5 years experience in composites manufacturing environment (required).

10+ years experience with advanced composites and manufacturing methods (preferred).

**Technical experience:**

Composites manufacturing knowledge of hand lay-up processes and resin infusion processes using autoclave and oven cures.

Knowledge of materials: Fiberglass and Carbon fiber in Unidirectional tape, Non-Crimp Fabric, Woven and Braided configurations etc.

Experience with automated material placement equipment for composite production a plus.

Knowledge of thermoplastic composite materials and processes desired.

Experience in Catia is highly desired.

Experience in laminate theory or composite design/analysis a plus.

Understanding of concepts, processes and practices as related to a manufacturing environment including: Model Based Definition, Specifications, Work Orders, and Inspection Plans.

**Personal experience:**

Candidate should possess excellent written, verbal, and presentation skills.

Must work well in a team environment, be action/results oriented, and demonstrate project leadership ability.

Must have the ability to balance multiple tasks and priorities and complete projects within specified time frame.

Candidate should have an energetic and pro-active demeanor.

Competitive salary and full benefits package including paid health, life, and disability insurance, 401(k) matching, holiday and vacation pay, flexible spending program, and fitness center on site.

Equal Opportunity Employer/Minorities/Female/Disability/Veterans

To apply for this position, obtain a C&D Zodiac application from:

The email address to send the completed application is:

[Outreach.CDU@zodiac aerospace.com](mailto:Outreach.CDU@zodiac aerospace.com)