



<https://www.gtlcompany.com/job/composites-engineer-modeling-simulation-engineer-09272022/>

Composites Engineer

Description

Gloyer-Taylor Laboratories (GTL) is a growing Aerospace Engineering company developing high-performance liquid hydrogen storage systems which will enable a new class of aircraft and rocket systems. GTL is looking to fill a Composites Engineering position that will support the design and fabrication of the company's composite propellant tanks, rocket components, and structures at its Tullahoma, TN office.

Work includes exposure to export restricted materials and requires security clearance eligibility. Work eligibility will be confirmed through E-Verify. All job offers will be contingent upon the successful completion of a criminal background check.

Expectations

Job Duties:

- Conduct applied research on many different tasks/subtasks of government contracts and internal research and development projects
- Perform engineering tasks to support the development of composite components and structures for use in aerospace systems, launch vehicles, and other space systems. Tasks include, but are not limited to:
 - Formulate, design, and analyze conceptual designs of aerospace products and systems
 - Design, analyze, and fabricate tooling, test articles, fixtures, and molds for composite structures and pressure vessels
 - Develop design criteria for aerospace products and systems
 - Evaluate designs for conformance to engineering principles, customer requirements, and GTL quality standards
 - Assist with load, burst, cycle, and qualification testing of composite structures and aerospace systems components
- Assist in writing technical reports or other documentation for use by engineering staff, management, and/or customers
- Provide technical guidance to engineers, technicians, design and management team
- Support business development efforts such as writing proposals, meeting customers and identifying business opportunities
- Support GTL management as needed.

Desired Experience

Desired Skills/Experience:

Since GTL offers such a diverse line of products and services, candidates are expected to be flexible and comfortable working on multiple assignments with the varying subject matter. This includes creating a prototype all the way from the concept and design stage to actually performing hands-on work and physically building the hardware and systems. Candidates should be comfortable working with both hand tools and power tools. The ideal candidate would have a broad

Employment Type

Full-time

Education

Bachelor's Degree required, Masters or PhD is a plus

Experience

0-5 years of relevant experience

Beginning of employment

ASAP

Job Location

Tullahoma, TN

Job Focus

Composite Structures Design, Fabrication, Evaluation, Assembly, Testing. Aerospace Systems, Launch Vehicles and Other Space Systems.

Working Hours

Flex-time, must coordinate with supervisor

Job Benefits

Medical and Dental through Blue Cross Blue Shield of TN, Vision through Vision Service Plan (VSP), Short Term Disability, Long Term Disability, and Life Insurance through Principal, 401k

80 hours of Holiday/80 hours of Vacation/40 hours of Sick

Date posted

09/27/2022

background with the following additional experience preferred:

- Experience designing, fabricating and manufacturing composite structures and tooling
- Experience in layup, shape forming, and machining for structural composite prototypes and products
- Experience in composite component structural analysis and FEA
- Experience in CAD, CAM, and design/drawing review processes

ITAR Requirements

To conform to U.S. Government space technology export regulations, including the International Traffic in Arms Regulations (ITAR) you must be a U.S. citizen, lawful permanent resident of the U.S., protected individual as defined by 8 U.S.C. 1324b(a)(3), or eligible to obtain the required authorizations from the U.S. Department of State. Learn more about ITAR [here](#).

Gloyer-Taylor Laboratories provides equal employment opportunities (EEO) to all employees and applicants for employment without regard to race, color, religion, sex, national origin, age, disability, veteran status, or genetics.