

## Title: Engineer (Chemical), II

### Job Summary

Nanocomp Technologies, Inc., now a division of Huntsman Advanced Materials, is a New Hampshire-based Company that produces Miralon, an advanced carbon-based material. We are currently seeking an experienced **Chemical Engineer, II** to work within a production / manufacturing environment. The ideal candidate needs to be self-motivated, energetic and versatile.

#### Position Purpose:

Under the Engineering Manager direction, the Chemical Engineer, II executes new and post-processing technologies of carbon nanotube yarn and sheet production developed for using equipment and systems identical, analogous or incrementally modified with respect to those used in Manufacturing and Engineering.

#### Nature & Scope:

The Chemical Engineer actively participates in process development, test and evaluation. The incumbent works closely with engineers, scientists and technicians to handle and resolve issues with the execution of new processes and with engineering and manufacturing employees to transfer any vetted process between work groups. Receives engineering and managerial oversight from project leaders and senior engineers.

## Responsibilities and Duties

#### Essential Functions:

- Actively initiates the development of new materials processing technologies and engineering aspects of yarn production, carbon nanotube sheet production, post treatment engineering, composites both thermoset and epoxy, along with related nanostructures or other areas of the Company's development activities as assigned.
- Actively initiates the development of new materials processing technologies of carbon nanotube production, their transformation into specific form factors, and any post-production treatment used to modify final properties of the finished material.
- Operates and maintains equipment and systems identical, analogous or incrementally modified with respect to those used in Manufacturing and Engineering.
- Assists in determining the proper settings, configuration, embodiments and components to validate product design assumptions related to project goals such as functional, cost, reliability, manufacturing and safety requirements.
- Maintains a laboratory notebook to capture data and relevant design characteristics with an eye towards repeatability of experimentation and for reporting results to senior staff.
- Sets up prototype manufacturing equipment and conducts properties testing.

- Writes status and technical reports, and presents development efforts to managers.
- Write research proposals to obtain funding support.
- Assumes direct engineering responsibility for apparatus development and process development. Sets up prototype manufacturing equipment and conducts properties testing.
- Works independently and in groups to efficiently achieve project goals.
- Supervises technicians and engineering staff and provides input to performance assessments.
- Keeps current with scientific literature relevant to innovative research and testing objectives.
- Performs other incidental and related duties as required and assigned.

## Qualifications and Skills

### Required Attributes:

- Creativity, curiosity and self-starter
- Good critical thinking and problem-solving skills
- Good communication skills
- Good attention to detail
- Demonstrated initiative
- Hands-on capability to run experiments
- Proven ability to work in a team and to establish effective professional working relationships with peers across disciplines

### Education and Work Experience:

- A four-year degree in chemical engineering, and 5+ years of equivalent experience in related technical discipline.
- Experience using analytical instruments for chemical analysis such as working with a mass spectrometer.
- Experience with chemical reactors, a plus
- Basic knowledge of machine shop tool operation, preferable
- Computer skills: Microsoft Office Suite (Excel & Word), server environment

The successful candidate will receive a competitive compensation and will be eligible to participate in a comprehensive benefits package which includes: medical, dental, basic life insurance, AD&D insurance, and 401k. Come join us!

**How to Apply:** Email your resume with a cover letter to: [JOBS@nanocomptech.com](mailto:JOBS@nanocomptech.com) or apply with LinkedIn.

**HUNTSMAN**

Enriching lives through innovation

Nanocomp Technologies, Inc. is an Equal Opportunity Employer F/M/D/V