Sporian conducts research and development that is at the forefront of science and technology. We focus on advanced sensors for applications in aerospace, energy generation, IIoT, and related industries. At Sporian, you will be involved with developing sensors and sensor systems from the conceptual stage through proof-of-concept development, detailed development, testing, and fielding. Sporian is a small, technically focused company. At Sporian, you will work in a collaborative environment on multidisciplinary teams with highly talented peers from a wide range of technical disciplines who have a passion for solving difficult problems in unique ways.

Chemistry Technician

Description: Sporian utilizes a number of custom or internally developed polymer materials in the creation of advanced materials and sensor systems. Sporian requires a person with a background in synthetic and polymer chemistry who can assist with the synthesis of polymers and cure process optimization. This person must have a thorough understanding of chemistry laboratory techniques and instrumentation, thrive in a highly multidisciplinary environment, be able to support a range of R&D oriented tasks, such as: setting up and maintaining processes and equipment, operation of routine analytical instrumentation, following prescribed process and/or testing protocols, systematic process optimization and modification, analyzing and reporting data, developing documentation, troubleshooting methods, and identifying alternatives (if appropriate). This position is expected to work closely in a team with project managers and other scientist, engineers, and technical staff, and may be asked to contribute to a range of non-chemistry related testing and materials characterization activities. The role has the potential to evolve over time into a research chemist upon demonstration of exceptional performance at the described tasks.

Education and Experience Requirements: BS (with related work/research experience) in areas such as: polymer chemistry, macromolecular chemistry, organic chemistry, analytical chemistry, chemical engineering, or materials science.

Required Skills/Qualifications:

- Thorough understanding of standard chemistry laboratory techniques and equipment such as manifold assemblies, reaction setup, separation techniques, purification techniques calculating reagent quantities and product yields, etc.
- Experience following prescribed chemistry process protocols.
- Experience setting up equipment and processes, process operation, systematic process modification and optimization.
- Analyzing and reporting results and data.
- Hands-on experience with chemical/materials analysis techniques as well as experience operating routine analytical and testing instrumentation such as FTIR, tensile testing, thin layer chromatography, UV-Vis spectroscopy, microscopy, etc.
- Familiarity with, and ability to comply with, proper hazardous materials handling, storage, and disposal procedures in a safe, clean, and confident manner.
- Willingness and ability to learn quickly and contribute in areas outside of prior experience.
- Self-motivated with positive attitude to pursue excellence. Results-oriented problem solving research capability. Define plans, self-schedule, and organize to maximize productivity and working efficiency.

- Ability to maintain a neat, legible, accurate, dated laboratory notebook.
- Ability to work with your hands requiring dexterity to handle small containers and laboratory materials.
- Ability to provide general R&D support to a range of projects in a multi-disciplinary team environment.
- Ability to quickly transition between disparate efforts and responsibilities.
- This position requires work on DoD contracts that require US Citizenship status.

Desirable (but not required) Technical Experience:

- Background in polymer/macromolecular chemistry or material science.
- Prior relevant materials/chemistry experience such as: polymer chemistry, polymerization, crosslinking, thermoset synthesis, polymer-derived materials, polymer-derived ceramics synthesis/processing etc.
- Knowledge of UV-curing technology, photo initiator and photo polymerization.
- Prior research/R&D experience.
- Experience with polymer forming methods/processes.
- Knowledge of green ceramic synthesis/processing.
- Knowledge of high temperature (>1000°C) materials/properties and associated high temperature equipment such as furnaces.

Additional Expectations:

- Life-long learner
- Multi-tasking
- Flexible
- Team player
- Self-motivated
- Self-starter
- Detail oriented
- Excellent written and verbal communication skills
- Proficient with MS-Office
- Proficient with Internet

Physical Context/Work Environment: Sporian Microsystems, Inc. is conveniently located in Lafayette near to US-287 in Boulder County, and close to Broomfield, Louisville, and Erie. Work is typically conducted in both an office environment and a lab environment with occasional travel locally to nearby businesses and infrequent travel both domestically and internationally.

How to apply:

- Include a cover letter that describes how your skills and experience fulfill the above requirements.
- Email your cover letter and resume to CT1908@sporian.com.
- Reference: W – Chemistry Technician in the subject line of your e-mail.

We are an equal opportunity employer. Qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, or national origin.