



**CHEMICAL ENGINEER/CHEMIST  
CALIMETRIX, LLC**

Location: Madison, WI

Founded in 2016 by physicians and researchers from the University of Wisconsin, Calimetrix is a start-up company based in Madison, WI dedicated to the development of advanced quantitative MRI test objects (“phantoms”) that meet the needs of the MR clinical and research community. Our mission is to build phantoms that facilitate clinical trials, quality assurance, and the development and testing of new quantitative imaging biomarkers.

Calimetrix is looking for a dynamic, positive, and detail-oriented individual with an interest and background in Chemical Engineering or Chemistry and Manufacturing Processes.

**PRINCIPAL DUTIES:**

- Design, optimization, implementation, and documentation of chemical formulations for advanced medical imaging test objects (“phantoms”). These phantoms are essential tools for widespread dissemination of novel quantitative imaging techniques used in clinical trials and clinical care. Essential features to be optimized in these phantoms include:
  - Accuracy of construction
  - Reproducibility of construction
  - Longitudinal stability
  - Cost-efficient manufacturing
- Optimization of existing commercial products and assistance in the design of future offerings
- Frequent communication, both written and verbal, with multi-disciplinary team to:
  - Understand Calimetrix’s clinical/scientific needs, imaging constraints and requirements, and business environment
  - Convey engineering and production aspects to leadership and product specialists
  - Assist with the integration of new chemical formulations into the Quality Management System and product marketing and sales materials
- Assistance with product manufacturing as needed
- Other duties as assigned

**REQUIRED QUALIFICATIONS:**

- BS or MS in chemical engineering or chemistry. Concurrently enrolled graduate students could start as part-time and convert to full-time after degree completion.
- Ability and desire to learn and perform complementary aspects of the work as needed, including manufacturing and business aspects of phantom construction and sales
- Strong communication skills and desire to work in a tight-knit, flexible, multi-disciplinary team
- Comfort working in a rapidly changing start-up environment
- Candidate must be authorized to work in the U.S.

**ADDITIONAL DESIRED QUALIFICATIONS:**

- Experience with the design and production of gel-based emulsions
- Understanding of medical imaging, particularly magnetic resonance imaging

More information about Calimetrix and its products can be found at [www.calimetrix.com](http://www.calimetrix.com). If interested in applying, please email resume to [jbrittain@calimetrix.com](mailto:jbrittain@calimetrix.com).