

**Job Position:** Chemical Engineer II/III (Nuclear)

**Location:** Madison, WI

**About Us:** As an emerging leader in nuclear engineering, our startup is developing revolutionary reactor technology to secure safe and abundant energy for future generations. We are seeking a highly motivated Chemical Engineer III to join our dynamic team and help us develop new molten salt technologies needed for our reactor design.

**Job Summary:** We are seeking a self-starting Chemical Engineer with a strong background in chemical processes for the nuclear fuel cycle to contribute to our cutting-edge development program. The ideal candidate will have expertise in molten salt chemistry and a passion for advancing nuclear energy technologies. This role involves designing, conducting, and analyzing experiments related to nuclear processes, with a focus on molten salt reactors and related systems.

### **Key Responsibilities**

- Implement fuel salt separations processes including component design, material selection, process monitoring and performance assessment.
- Collaborate with interdisciplinary teams, including nuclear engineers, physicists, and materials scientists, to advance project goals.
- Identify required testing needed for design surety. Develop, plan and conduct tests.
- Ensure compliance with safety, regulatory, and environmental standards in all experimental and operational activities.
- Prepare technical reports, presentations, and publications to communicate findings to internal teams and external stakeholders.
- Stay current with advancements in nuclear chemistry, molten salt technologies, and related fields.

### **Qualifications**

- Master's degree in Nuclear Engineering, Chemistry, Chemical Engineering or a closely related field (Ph.D. preferred).
- Experience developing or operating chemical processing facilities.
- Experience developing or operating chemical processing systems that include beryllium preferred.
- Strong understanding of nuclear chemistry principles, including radiochemistry and nuclear fuel cycles.

- Demonstrated experience with molten salt chemistry or molten salt reactor systems preferred
- Proven ability to work independently as a self-starter, with strong problem-solving and critical-thinking skills.
- Excellent written and verbal communication skills for technical reporting and collaboration.
- Familiarity with analytical techniques such as spectroscopy, chromatography, or mass spectrometry for characterizing materials.
- Knowledge of nuclear safety protocols, radiation shielding, and waste management practices.
- Experience with project management or leading small research teams.
- Previous work in a laboratory or industrial setting involving high-temperature chemistry or nuclear materials preferred.
- U.S. citizenship or permanent residency required.

**What We Offer:**

- Competitive salary
- Comprehensive benefits including medical, dental and vision
- Paid time off, sick leave and holidays
- Bereavement leave

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