



bioMASON  
building with nature

bioMASON Inc.  
November 2017

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**Job:** Process Engineer  
**Location:** Research Triangle Park, NC  
**Start Date:** Effective Immediately, Full Time

bioMASON is a unique biotechnology start-up manufacturing company with a natural process that will revolutionize the building and construction industry. bioMASON employs microorganisms and chemical processes to manufacture biological cement-based masonry building materials in ambient temperatures.

bioMASON is dedicated to finding talented, multi-faceted, hard-working, and passionate people to join our innovative team. We are a young start-up seeking to make a massive impact on carbon emissions. bioMASON believes in a fast-paced, creative working environment that fosters collaboration and innovation unhindered by traditional boundaries.

We are looking for someone who is comfortable in a fast-paced, start-up environment and is willing to work long and/or irregular hours. Candidates should be comfortable working independently, without direct supervision. Candidates should excel at multi-tasking and may be asked to help with varied tasks relating to all aspects of the business.

bioMASON is currently seeking a Process Engineer for leading the development of scalable production processes related to bioMASON's core technologies. The ideal candidate is persistent, results-driven, detail-oriented, and employs creative problem solving at multiple levels. This is a Research and Development Engineering position that reports to the Chief Technology Officer and regularly coordinates with manufacturing and production teams.

**The outcomes, responsibilities and tasks of this position:**

- Plan, Lead and Coordinate weekly production and R&D runs.
- Determine, monitor, and optimize process parameters.
- Prototype, develop, and troubleshoot automated manufacturing systems.
- Develop and implement QA/QC metrics for tracking and optimizing process chemistries.
- Monitor and track input cost metrics.
- Hands-on fabrication, assembly, commissioning and maintenance of automated systems for manufacturing.
- Create efficient and clear SOPs, work instructions, maintenance documents, and batch record templates for operation and production teams.
- Create an organizational system to facilitate record keeping and data collection for each system.
- Performing other duties assigned by your supervisor(s).

**Required skills and interests:**

- Bachelor's degree in Engineering or a related field of hard science.
- Minimum 3 years of relevant manufacturing experience.
- Demonstrable understanding of complex chemistries and applied engineering.
- Proven leadership, planning, and managerial experience.
- Goal-oriented and deadline-driven work ethic with a thirst for invention and discovery.
- Innovative problem solver
- Creative problem solving through teamwork, collaboration, hands-on action, and objectives-based follow-through.
- Thrive in a fast-paced research and development environment.



**Preferred experience, skills and/or interests:**

- PE certification
- Advanced degree in a related field [Engineering: Mechanical, Chemical, Manufacturing, etc] and or related field in hard science
- Familiarity with PLCs/Ladder logic
- Project Management

**The candidate must be:**

- Organized and possess excellent attention to detail
- Creative, flexible, proactive, punctual, persistent
- A team player
- Ability to self-manage
- Comfortable with a demanding fast-paced work environment and ability to excel in a growing environment

**bioMASON employees must possess:**

- Integrity and Honesty
- Passion and Motivation
- Analytical Skills
- Intelligence and Aptitude
- Productivity

**Minimum Qualifications:**

- Bachelor's Degree in Engineering [Mechanical, Chemical, Manufacturing, etc] and or related field in hard science.
- Minimum 3 years industry experience

Must have reliable transportation to the RTP/ Raleigh area.

Please send your resume and **fully completed application** to [jobs@biomason.com](mailto:jobs@biomason.com) with the heading "Process Engineer."

The bioMASON Career application may be found on bioMASON's website, under the "Career" tab [http://biomason.com/wp-content/uploads/2015/12/bioMASON\\_Application-1.pdf](http://biomason.com/wp-content/uploads/2015/12/bioMASON_Application-1.pdf)

*bioMASON Inc. takes affirmative actions as an equal opportunity employer to attract, promote, and retain the most fully qualified candidates without regard to race, creed, religion, color, citizenship status, national origin, sex, age, sexual orientation, predisposing genetic characteristics, genetic information, marital status, status as a domestic violence victim, arrest record, disability, military status, disabled veteran, recently separated veteran, Armed Forces Service Medal veteran, other protected veteran or other characteristic as protected by law.*  
**EOE M/F/D/V**