Example of Materials Scientist Job Description

Our company is growing rapidly and is looking for a materials scientist. We appreciate you taking the time to review the list of qualifications and to apply for the position. If you don't fill all of the qualifications, you may still be considered depending on your level of experience.

Responsibilities for materials scientist

- Design laboratory studies to evaluate reinforcement technologies and interpret the results based on the underlying properties of the materials being studied
- Effective communication and collaboration with design teams, suppliers, procurement and manufacturing to ensure successful development and technology transfer
- Leads the engineering work related to strategic technical projects and programs that make use of proprietary technology
- Leads the design and development of processess related to commercialization and manufacturing of products incorporating new technologies
- Provides expertise and technical guidance in the area of food engineering and processing to Product Development Scientists to Manufacturing/Supply Chain Engineers
- Supports new product commercialization and problem solving in manufacturing
- Manages IP for all current projects
- Provides technical direction to and/or may supervise junior level Scientists and Engineers
- Presents strategies, progress and products to senior management
- Synthesis of cutting-edge high energy lithium ion battery materials

- PhD in Chemistry, Physical Chemistry, Material Science, Physics, or a related scientific field
- 7+ years' industrial experience in developing polymer chemistry or organic chemistry reactions as applied to materials
- Modified surfaces (could include particles) with adhesion layers, salinization, metallic surface functionalization and techniques to analyze modified surfaces
- Demonstrated experience solving challenging, interdisciplinary research/development problems at the interface of optics, biology, chemistry and materials science
- Explored different material deposition techniques including but not limited to spray coating, spin coating, vapor deposition
- Familiar with characterization of materials using techniques such as ellipsometry, DSC, TGA, FTIR, Raman, SEM, TEM, XPS, TOF-SIMS, AFM, and chromatographic techniques such as GC-MS and HPLC