

Materials Development Engineer



? What Material Development Engineers Do

Plans for the most cost-effective utilization of materials. Applies knowledge of material science to recommend engineering and manufacturing changes to attain design objectives in the most economical manner possible. Relies on limited experience and judgment to plan and accomplish goals. Performs a variety of tasks. Works under general supervision where limited creativity and attitude is required.

Essential Duties

- Performs tasks requiring a moderate level of oversight or direction
- Plans and implements laboratory operations to develop material and fabrication procedures for new materials to fulfill product cost and performance standards
- Stays abreast of state of the art materials activities in specific assigned areas
- Reviews product failure data and interprets laboratory tests and analyses to establish or rule out material and process causes
- Work with suppliers to find sources of materials to support product lines



Education & Qualifications

- Must be able to access shared database with government programs (U.S. Citizen or Permanent Resident of the U.S.)
- Bachelor of Science degree in Engineering plus at least a minimum of two years of related experience; or equivalent combination of education and experience for Associate level position and a minimum of seven (7) years related experience for mid to Senior level positions
- Demonstrated skills in written and verbal communication, coordinating resources as well as the ability to analyze data and solve problems
- Demonstrated collaborative skills with peers, cross-functional teams, and external customers
- Proficiency with computer applications such as MS Office, order processing software, database software
- Must be proficient with analytical test equipment and materials processing equipment



Get a Head Start....with these classes in middle and high school:

Algebra

Calculus

Physics

Chemistry

Computer Science

Physical Science