



The miracles of science™

PhD Scientists/Engineers (Entry Level) – Materials Scientists

Description:

DuPont Central Research and Development is seeking entry level Ph.D. Materials Scientists with experience in polymer materials, polymer physics, morphology, rheology, molecular weight, polymer solubility or physical/mechanical properties of polymers. The candidates should have an understanding of structure/property relationships, and should have experience with the interactions between different types of materials (e.g. transport phenomena in polymeric membranes). The candidates should also have familiarity with a broad array of characterization techniques such as TGA, DSC, strength measurements, microscopy, porosity, and diffusivity.

Over the 200 plus year rich history of DuPont, our science has not only met demands of the time, but has also helped define our future. With a growing world population and increased global demands on resources, we are focused on increasing food production, decreasing dependence on fossil fuels, protecting lives and the environment, and meeting emerging market demand for value-added science based solutions. Scientists and engineers within CR&D work within multi-disciplinary teams along side DuPont businesses to develop novel products and processes across a spectrum of applications in line with our 2015 corporate sustainability goals. One key component of DuPont Science and Technology is the effort of [Central Research and Development \(CR&D\)](#), which employs more than 1,000 people at the Experimental Station and other research sites in Northern Delaware. CR&D is the foundation of our science efforts and has been responsible for most of our major product breakthroughs. CR&D provides both leveraged scientific services and long-term research activities to the corporation.

Qualifications:

Ph.D. in Materials Science/Engineering or related discipline.

Familiarity with standard polymer processing techniques is also desirable.

Experience in the following areas of interest will be considered a plus:

- polymer-polymer interactions
- polymer properties modification methodologies
- polymer composites and hybrid structures
- polymer compatibilities
- polymer post-processing techniques
- polymer nanocomposites and nanofibers

The ability to assemble small, lab scale test units will be considered additive.

Preference will be given to candidates who have experience working in a multidisciplinary team environment and have demonstrated the ability to lead program segments in order to meet team objectives.

How to Apply:

Submit resume to: dupont@nc3.com

In the email subject, indicate “name of your school” – “discipline”

DuPont is a global Fortune 100 company, operating in 70 countries today. We are looking for people who have a passion for delivering innovative, sustainable solutions that meet our customer needs for a better, healthier, safer life. DuPont offers an exciting place to work where thousands of innovations are introduced every year. You will have opportunities for growth through involvement in various dynamic industries from high-tech to high-performance; including agriculture, nutrition, electronics, communications, safety and protection, home and construction, transportation, and apparel. At DuPont, you will find sustainability in our vision, our business and your future. If you want to work on the leading edge of your field and have a desire to make a difference, join DuPont and discover The miracles of science™. DuPont is an equal opportunity employer and an E-Verify employer.