



# Example of Applications Scientist Job Description

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Our growing company is searching for experienced candidates for the position of applications scientist. Please review the list of responsibilities and qualifications. While this is our ideal list, we will consider candidates that do not necessarily have all of the qualifications, but have sufficient experience and talent.

## Responsibilities for applications scientist

- Work with Electronic Films customers to translate their unmet needs to new product or service offerings
- Assist customers with optical film application development and coating scale up
- Travel minimum of 25%
- Accelerate the development of device applications and fabrication methodologies for high aspect ratio, magnetic nanomaterials
- Perform synthesis work which will entail fabrication of metal or oxide nanostructures and scaling up of the fabrication process
- Perform characterization work which may require the use of X-ray spectroscopy, electron microscopy (SEM, TEM), AFM, and electric/magnetic measurements at both DC and RF fields
- Interpret laboratory data and prepare specific test reports
- Develop and validate new analytical methods for the detection and identification of chemicals and heavy metals in food, medicinal and cosmetic products
- As the most senior member of the applications team, to assist the applications manager in support and mentoring of colleagues to ensure the team meet delivery/quality deadlines
- With the Applications manager, maintain departmental performance metrics to effectively manage team output, define corrective and preventative actions as needed

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- Bachelor's Degree in chemistry, petroleum engineering, chemical engineering or related relevant field
  - Minimum 5 years' relevant industrial research, applications testing or similar technical work in oilfield technology
  - Experience in working with commercial materials used in oilfield applications
  - Ability to travel internationally, regionally locally, at least 50%
  - Bachelor's & 12+ years of related experience, Master's & 7+ years of related experience or Doctorate & 6+ years of related experience or equivalent
  - Considerable skill and experience in leading magnetic design integration and technology development at component and system levels