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Materials Science and Engineering

Jomary Mercado-Montijo is a Ph.D. student in the Andrew Research Group, National Science

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Materials scientists and engineers are at the forefront of exciting innovations in technologies which depend critically on high quality new materials. Discovering new materials (simply called "Stuff" in a recent PBS NOVA series) and integrating it into engineering design is a daunting but rewarding task. This is the heart of the discipline of MSE.

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Home | Materials Science and Engineering  
What is materials science and engineering?  
This is a question all of us in our



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25-student graduating class are asked many times. At its core, materials science and engineering is combining atomic structure, manufacturing processes, chemistry and mechanics of materials to determine their final properties.

Spotlight: Materials Science and Engineering  
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In the reading for this lesson, materials science is defined as investigating relationships between structures and properties of materials, and concern with the design/development of new materials.

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Materials engineering is defined as the creation of products from existing materials in the development of new materials processing techniques.

Materials Science and Engineering | MATSE 81:  
Materials In ...

The interdisciplinary field of materials science, also commonly termed materials science and engineering, is the design and discovery of new materials, particularly solids. The intellectual origins of materials science stem from the Enlightenment, when researchers began to use analytical thinking

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