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are products of materials science and technology (MST). Briefly defined, materials science is the study of "stuff." Materials science is the study of solid matter, inorganic and organic. Figures 1.1, 1.2, 1.3, and 1.4 depict how these materials are classified.

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For examples see chapters 3, 4, 5 and 9.

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and biomaterial; Joining of materials: Fundamentals of liquid and solid state joining, friction stir welding, joining of similar and dissimilar materials; Material processing from solid waste from metal industry and thermal power plants. Texts and References: 1. Composite Materials: Science and Engineering/Krishan K. Chawla 2.

### **Material Science and Engineering - Indian Institute of**

(BS '06) received a PhD in materials science from the University of California, Santa Barbara in 2010. He was the Joseph Katz Distinguished Fellow in the Magnetic Materials Group of the X-ray Science Division at Argonne National Laboratory before joining the materials science and engineering faculty at Drexel University in September 2011.

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Engineering in 2009. Mirkin is the George B. Rathmann Professor of Chemistry in the Weinberg College of Arts and Sciences and profes-sor of medicine, chemical and biological engineering, biomedical engineering and materials science and engineering and director of Northwestern's International Institute for Nanotechnology.

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